



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

EPA Reg. Number:

1677-275

Date of Issuance:

10/21/21

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

KX-6257

Name and Address of Registrant (include ZIP Code):

Kristie Restrepo  
 Ecolab Inc.  
 1 Ecolab Place  
 St. Paul, MN 55102

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials 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 (FIFRA).

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 is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Steven Snyderman, Product Manager 33  
 Regulatory Management Branch II  
 Antimicrobials Division (7510P)  
 Office of Pesticide Programs

Date:

10/21/21

2. You are required to comply with the data requirements described in the DCI identified below:
  - a. Hydrogen Peroxide: GDCI-000595-1127
  - b. Peroxyacetic acid: GDCI-063201-1125

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 1677-275.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Assurance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 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. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 2/4/2021

If you have any questions, please contact Aidan Fife by phone at 703-347-8522, or via email at [fife.aidan@epa.gov](mailto:fife.aidan@epa.gov).

Enclosure: Stamped Label

# KX-6257

## SANITIZER, DISINFECTANT DESINFECTANTE

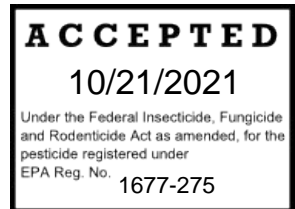
Acid Liquid Sanitizer for [Food Processing Equipment] in [Dairies], [Wineries], [Breweries], [Beverage Plants], [Meat] [and] [Poultry] [Processing] [and] [Packaging] [Plants], [Milk] [and] [Dairy] [Products] [Processing] [Plants], [Seafood] [and] [Produce] [Processing] [and] [Packaging] [Plants], [Food] [Processing] [and] [Packaging] [Plants], [Egg] [Processing] [and] [Packaging] [Plants], [Final] [Sanitizing] [Bottle] [Rinse], [Eating] [Establishments], [Institutional] [Facilities], [Dietary Supplement] [Facilities], [Grain Mills], [Ethanol Production Equipment], [Biofuel Processing Equipment], [Oil Seed Processing Equipment], [Cane and Beet Sugar Processing Equipment]

[Disinfectant] [for] [Farms], [Livestock] [Quarters], [Poultry] [Premises], [Poultry] [Hatcheries], [and] [Industrial] [Facilities]

[Sanitizer] [and] [Disinfectant] [for] [the] [Pharmaceutical] [and] [Personal] [Care] [Industry]

**Active Ingredients:**

Hydrogen Peroxide ..... 10.62%  
Peroxyacetic Acid ..... 10.34%  
**Other Ingredients:** ..... 79.04%  
**Total:** ..... 100.00%



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

*(Note to reviewer: First aid statements must be located on the front panel of the label to be consistent with 40 CFR 156.68)*

(See [front] [top] [label] [panel] for [precautionary statements] [and] [first aid] (See [back], [side], [inside], [other] [fold-out] [booklet] [hang tag] [product container] [reference sheet], [insert], [other] [label(s)] [panel(s)] [container] for [complete] [additional] [information] [directions for use] [precautionary statements] [and] [storage and disposal] [container handling and disposal])

[Note to Reviewer: Language in [ ] or ( ) is considered optional or interchangeable.]

**PELIGRO:** Si no puede leer en inglés, pregunte a su supervisor sobre las instrucciones de uso apropiadas antes de trabajar con este producto.

**(DANGER:** If you cannot read English, ask your supervisor for the appropriate instructions before handling this product.)

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: CORROSIVE.** Causes irreversible eye damage and skin burns. Harmful if swallowed, absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing 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, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

#### 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 INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further 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.

Have the product container or label with you when calling a poison control center or going for treatment.

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

**FOR EMERGENCY MEDICAL INFORMATION CALL TOLL FREE: 1-800-328-0026**  
**OUTSIDE NORTH AMERICA, CALL 1-651-222-5352**

**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.

(Note to Reviewer: For containers of 5 gallons or more, the following Environmental Hazards language will appear on the final product label.)

**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.

## DIRECTIONS FOR USE

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

### FOOD CONTACT SURFACE SANITIZATION

KX-6257 acid sanitizer is recommended for use on hard, non-porous, pre-cleaned food contact surfaces such as [equipment], [pipelines], [tanks], [vats], [fillers], [evaporators], [pasteurizers], [milling equipment], [granulators], [aseptic equipment] and [associated equipment] in [dairies], [dairy farms], [breweries], [wineries], [biofuel producing facilities], [beverage], [dietary supplement manufacturing], [cosmetics manufacturing], [pharmaceutical manufacturing] [food processing plants] [in] [industrial] [and] [or] [institutional] applications]. When used as directed, this product is effective as a food contact surface sanitizer against *Staphylococcus aureus*, *Escherichia coli*, *Escherichia coli O157:H7*, *Listeria monocytogenes*, *Salmonella enterica* subsp. *enterica* serovar *Typhimurium*, *Pseudomonas aeruginosa*, and *Vibrio cholerae*. This product is also effective at reducing spoilage causing organisms *Pediococcus damnosus* and *Lactobacillus malefermentans* when solution is prepared in water of up to 500 ppm hardness as CaCO<sub>3</sub>. See Table 1 for use dilutions and contact times.

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

### Sanitizing Hard, Non-Porous Food Contact Surfaces

Prior to sanitizing, remove visible [food] [product] particles, and then wash with a detergent solution, followed by a potable water rinse. To sanitize, dilute product to a concentration of 0.27 – 0.70 fl. oz. per 2 gallons of [water] [tap water] [up to 500 ppm hard water] (0.105% - 0.273% v/v or 1050 ppm – 2730 ppm product or 1.05 – 2.73 ml/L). If sanitizing against *Listeria monocytogenes*, use 0.34 – 0.70 fl. oz. of KX-6257 per 2 gallons of water (0.133% - 0.273% v/v or 1330 ppm – 2730 ppm product or 1.33 – 2.73 ml/L). Apply product to the surface (by) (immersion), (pouring), coarse spray, with a (disposable) cloth, wipe, or circulation techniques as appropriate to the equipment. All surfaces must be exposed to the sanitizing solution for a period of 1 minute unless a longer time is specified by the governing sanitary code. Drain thoroughly [and allow to dry]. No rinse necessary. [At the same dilution, contact time, and use directions, [KX-6257] [this product] is effective at reducing spoilage causing organisms *Pediococcus damnosus* and *Lactobacillus malefermentans* on food contact surfaces.]

### Continuous Treatment of Conveyors

Wash, rinse, and sanitize conveyor equipment. During processing, apply KX-6257 at a concentration of 0.27 – 0.70 fl. oz. of KX-6257 per 2 gallons of [water] [tap water] [up to 500 ppm hard water] (0.105% - 0.273% v/v or 1050 ppm – 2730 ppm product or 1.05 – 2.73 ml/L). If treating for *Listeria monocytogenes*, use 0.34 – 0.70 fl. oz. of KX-6257 per 2 gallons of [water] [tap water] [up to 500 ppm hard water] (0.133% - 0.273% v/v or 1330 ppm – 2730 ppm product or 1.33 – 2.73 ml/L). Apply controlled volumes of KX-6257 use solution to return portion of conveyor through nozzles that are located to permit maximum drainage of product from equipment and to prevent puddles on top of belt. During interruptions in operations, coarse spray the processing equipment with product solution at not more than 0.273% v/v concentration. Conveyor equipment must be free of food products when applying coarse spray. Conveyor surface must be exposed to the sanitizing solution for a period of at least 1 minute.

**Final Container [and Closure] Sanitizing**

KX-6257 may be used as a final sanitizing rinse for returnable and non-returnable [bottles] [containers] (e.g. glass or PET) [and/or closures] at dilution rate 0.27 – 0.70 fl. oz. of KX-6257 per 2 gallons of [water] [tap water] [up to 500 ppm hard water] (0.105% - 0.273% v/v or 1050 ppm – 2730 ppm product or 1.05 – 2.73 ml/L). All surfaces must be exposed to the sanitizing solution for a period of at least 1 minute. Drain thoroughly and [allow to air dry]. No rinse necessary.

**Sanitizing Rinse of Pre-Cleaned or New Returnable or Non-Returnable Containers [and Closures] (5 second claim)**

To sanitize pre-cleaned or new returnable or non-returnable containers for processing, apply KX-6257 at a concentration of 3.1 – 10.2 fl. oz. per 4 gallons of [water] [tap water] [up to 500 ppm hard water] (0.606% - 2.000% v/v or 6060 ppm – 20,000 ppm product or 6.06 – 20.00 ml/L) at a temperature of (40 – 60 °C) (104 – 140 °F) for a minimum contact time of 5 seconds. After thorough draining, rinse interior container surfaces with a [potable] water rinse. [At the same dilution, contact time, and use directions, [KX-6257] [this product] is effective at reducing spoilage causing organisms *Pediococcus damnosus* and *Lactobacillus malefermentans*.]

**Sanitizing Rinse of Pre-Cleaned or New Returnable or Non-Returnable Containers [and Closures] (20 second claim)**

To sanitize pre-cleaned or new returnable or non-returnable containers for processing, apply KX-6257 at a concentration of 1.15 – 12.75 fl. oz. per 5 gallons of [water] [tap water] [up to 500 ppm hard water] (0.180% - 2.000% v/v or 1800 ppm – 20,000 ppm product or 1.80 – 20.00 ml/L) at a temperature of (40 – 60 °C) (104 – 140 °F) for a minimum contact time of 20 seconds. After thorough draining, rinse interior container surfaces with a [potable] water rinse. [At the same dilution, contact time, and use directions, [KX-6257] [this product] is effective at reducing spoilage causing organisms *Pediococcus damnosus* and *Lactobacillus malefermentans*.]

**Sanitizing Hard, Non-Porous, Non-Edible Outside Surfaces of Airtight, Sealed Packages Containing Food or Non-Food Products**

KX-6257 may be used as a final sanitizing rinse for hard, non-porous, non-edible outside surfaces of airtight, sealed packages containing food or non-food products at 0.27 – 0.70 fl. oz. of KX-6257 per 2 gallons of [water] [tap water] [up to 500 ppm hard water] (0.105–0.273% v/v or 1050ppm – 2730ppm product or 1.05 – 2.73 ml/L). The treated hard, non-porous, non-edible packaging, such as food wraps and meat casings, must be removed and discarded before packaged food products are further processed or consumed. All surfaces must be exposed to the sanitizing solution for a period of 1 minute. Drain thoroughly. No rinse necessary. This is not to be used on porous surfaces.

**Sanitizing Non-Porous Gloved Hands**

To reduce cross-contamination between treated areas in [[animal areas] and [packaging] and [storage areas]] of [food] [cosmetics] [personal care] [pharmaceutical] [nutraceutical] [supplements] [vitamins] plants, dip pre-washed (plastic, latex, or other synthetic rubber) non-porous gloved hands into a suitable clean container that contains enough freshly made sanitizing solution to cover the gloved area. Prepare the sanitizing solution by adding 0.27 – 0.70 fl. oz. of KX-6257 per 2 gallons of [water] [tap water] [up to 500 ppm hard water] (0.105% - 0.273% v/v or 1050 ppm – 2730 ppm product or 1.05 – 2.73 ml/L). Dip (soak) in solution for 1 minute. Do not let sanitizing solution come into contact with the exposed skin. Change the solution in the bath at least daily or more often if the solution becomes diluted or visibly soiled.

**Sanitizing Clean Shell Eggs**

Prepare a solution of KX-6257 by diluting 0.27 – 0.70 fl. oz. per 2 gallons of [water] [tap water] [up to 500 ppm hard water] (0.105% - 0.273% v/v or 1050 ppm – 2730 ppm product or 1.05 – 2.73 ml/L). As eggs are gathered or prior to setting, apply solution as a coarse spray so as to lightly wet all shell surfaces, and allow 1 minute of contact time. The solution must not be reused for sanitizing eggs.

**Table 1: Food Contact Surface Sanitizing Claims**

<b>Sanitizing Food Contact Surfaces</b> <b>(0.27 – 0.70 fl oz / 2 gal or 0.105% - 0.273% v/v or 1050 ppm – 2730 ppm product or 1.05 – 2.73 ml/L)</b>		
<b>Organism</b>	<b>ATCC Strain</b>	<b>Contact Time</b>
<i>Staphylococcus aureus</i>	ATCC 6538	1 min
<i>Escherichia coli</i>	ATCC 11229	1 min
<i>Escherichia coli</i> O157:H7	ATCC 43895	1 min
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium	ATCC 13311	1 min
<i>Pseudomonas aeruginosa</i>	ATCC 15442	1 min
<i>Vibrio cholerae</i>	ATCC 25873	1 min
<i>Pediococcus damnosus</i> *	ATCC 25248	1 min
<i>Lactobacillus malefermentans</i> *	ATCC 11305	1 min
<b>Sanitizing Food Contact Surfaces</b> <b>(0.34 fl oz / 2 gal or 0.133% - 0.273% v/v or 1330 ppm – 2730 ppm product or 1.33 – 2.73 ml/L)</b>		
<i>Listeria monocytogenes</i>	ATCC 49594	1 min

Sanitizing Food Containers (Elevated Temp: (40 – 60 °C) (104 – 140 °F)) (3.1 – 10.2 fl oz / 4 gal or 0.606% - 2.000% v/v or 6060 ppm – 20000 ppm product or 6.06 – 20.00 ml/L)		
<i>Staphylococcus aureus</i>	ATCC 6538	5 sec
<i>Escherichia coli</i>	ATCC 11229	5 sec
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium	ATCC 13311	5 sec
<i>Lactobacillus malefermentans</i> *	ATCC 11305	5 sec
<i>Pediococcus damnosus</i> *	ATCC 25248	5 sec
Sanitizing Food Containers (Elevated Temp: (40 – 60 °C) (104 – 140 °F)) (1.15 – 12.75 fl oz / 5 gal 0.180% - 2.000% v/v or 1800 ppm – 20000 ppm product or 1.80 – 20.00 ml/L)		
<i>Staphylococcus aureus</i>	ATCC 6538	20 sec
<i>Escherichia coli</i>	ATCC 11229	20 sec
<i>Pseudomonas aeruginosa</i>	ATCC 15442	20 sec

\*At the same dilution, contact time, and use directions, [KX-6257] [this product] is effective at reducing spoilage causing organisms *Pediococcus damnosus* and *Lactobacillus malefermentans*.

### Sanitizing Biofilm

KX-6257 acid sanitizer is recommended for use on pre-cleaned, hard, non-porous surfaces in food and beverage processing, industrial, and institutional applications.

When applied to pre-cleaned hard, non-porous food contact and other pre-cleaned, hard, non-porous surfaces conducive to biofilm formation, KX-6257 is effective as a biofilm sanitizer against *Listeria monocytogenes* (ATCC 49594) and *Pseudomonas aeruginosa* (ATCC 15442). Use a cleaning solution suitable to remove gross particles, followed by a potable water rinse as required by the governing sanitary code. Sanitize according to the table below using immersion, coarse spray, or CIP circulation techniques as appropriate to the equipment. All surfaces must be exposed to the sanitizing solution for the required contact times unless a longer time is specified by the governing sanitary code. Drain thoroughly. See Table 2 for rinsing requirements.

**Table 2. Biofilm Sanitizing Treatment**

Biofilm Sanitizing Treatment		
Use Rate	Minimum Conditions for Use	Post-Treatment Rinse Requirement
0.36 – 0.70 fl. oz. per 2 gallons of [water] [tap water] [up to 500 ppm hard water] (0.141% - 0.273% v/v, or 1410 ppm – 2730 ppm product, or 1.41 – 2.73 ml/L)	10 minutes (at a minimum of 40°C, or 122°F)	No rinse necessary
0.53 – 0.70 fl. oz. per 2 gallons of [water] [tap water] [up to 500 ppm hard water] (0.207% - 0.273% v/v, or 2070 ppm – 2730 ppm product, or 2.07 – 2.73 ml/L)	10 minutes	No rinse necessary

### NON-FOOD CONTACT SURFACE SANITIZATION

KX-6257 acid sanitizer is recommended for use on hard, non-porous, non-food contact surfaces such as [equipment], [blenders], [pipelines], [tanks], [vats], [fillers], [evaporators], [pasteurizers], [milling equipment], [granulators], [aseptic equipment], [packaging equipment] and [associated equipment], [floors], [walls], [tables], [chairs], [benches], [drains], [troughs], and [drip pans] in [dairies], [dairy farms], [breweries], [wineries], [biofuel producing facilities], [beverage], [dietary supplement manufacturing], [cosmetics manufacturing], [pharmaceutical manufacturing] [food processing plants] [in] [industrial] [and] [or] [institutional] applications]. When used as directed, this product is effective as a non-food contact surface sanitizer against *Staphylococcus aureus*, *Klebsiella aerogenes*, *Escherichia coli*, *Pseudomonas aeruginosa*, *Salmonella enterica* subsp. *enterica* serovar Typhimurium, and *Listeria monocytogenes*. This product is also effective at reducing spoilage causing organisms *Pediococcus damnosus* and *Lactobacillus malefermentans* when solution is prepared in water of up to 500 ppm hardness as CaCO<sub>3</sub>. See Table 3 for use dilutions and contact times.

### Sanitizing Hard, Non-Porous Non-Food Contact Surfaces

Prior to sanitizing, remove visible soil particles [and then wash with a detergent solution followed by a potable water rinse]. To sanitize [hard, non-porous, non-food contact surfaces], apply 0.22 – 0.83 fl. oz. of KX-6257 per 3 gallons of [water] [tap water] [up to 500 ppm hard water] (0.057% - 0.216% v/v or 570 ppm – 2160 ppm product or 0.57 – 2.16 ml/L). Apply use solution using a (disposable) cloth, wipe, mop, sponge, coarse sprayer, or by immersion. All surfaces must be exposed to the sanitizing solution for a period of at least 5 minutes. Drain thoroughly and allow to air dry. A rinse is not required. [At the same dilution, contact time, and use directions, [KX-6257] [this product] is also effective at reducing spoilage causing organisms *Pediococcus damnosus* and *Lactobacillus malefermentans*.]

### Sanitizing Non-Food Contact Packaging Equipment

Prior to sanitizing, remove visible soil particles [and then wash with a detergent solution followed by a potable water rinse]. To sanitize non-food contact packaging equipment, apply 0.22 – 0.83 fl. oz. of KX-6257 per 3 gallons of water (0.057% - 0.216% v/v or 570 ppm – 2160 ppm product or 0.57 – 2.16 ml/L). Apply use solution using a (disposable) cloth, wipe, sponge, coarse

sprayer, or by immersion. All surfaces must be exposed to the sanitizing solution for a period of at least 5 minutes. Drain thoroughly and allow to air dry. A rinse is not required.

**Foam Sanitizing Hard, Non-Porous Non-Food Contact Surfaces** (This use not approved in the state of California)  
KX-6257 used in conjunction with Liquid K™ is an effective foam sanitizer of non-food contact surfaces, such as boots, floors, walls, drains, and associated equipment surfaces. Prior to sanitizing, remove visible soil particles [and then wash with a detergent solution followed by a potable water rinse]. To sanitize non-food contact surfaces, apply 0.27 – 0.55 fl. oz. of KX-6257 (0.105% - 0.215% v/v or 1050 ppm – 2150 ppm product or 1.05 – 2.15 ml/L) and 1.0 – 12.8 fl. oz. of Liquid K per 2 gallons water (0.40% – 5.00% v/v). Liquid K is the only approved foam generator for use with this product. Apply solution as a foam using recommended equipment. Wet surfaces thoroughly with foam. Surfaces must be exposed to the sanitizing foam for a period of at least 5 minutes. No rinse necessary. Contact your Ecolab representative for information on Liquid K foaming agents and recommended foaming equipment.

**Entryway Sanitizing Systems** (This use is not approved in the state of California)

Set the system to deliver sanitizing solution at 0.27 – 0.55 fl. oz. of KX-6257 (0.105% - 0.215% v/v or 1050 ppm – 2150 ppm product or 1.05 – 2.15 ml/L) and 1.0 – 12.8 fl. oz. of Liquid K per 2 gallons water (0.40% – 5.00% v/v). Liquid K is the only approved foam generator for use with this product. The foam (or spray) must cover the entire path of the doorway. Set the system so that a continuous layer of sanitizer solution is maintained on the floor. Do not mix other foam additives to the sanitizing solution. Foam should be replaced daily or when it appears visibly dirty. Contact your Ecolab representative for information on Liquid K foaming agents and recommended foaming equipment.

**Shoe Foam Sanitizer Directions** (This use is not approved in the state of California)

Apply a foam layer approximately 0.5 - 2 inches (1.3 – 5 cm) thick made from a solution of 0.27 – 0.55 fl. oz. of KX-6257 (0.105% - 0.215% v/v or 1050 ppm – 2150 ppm product or 1.05 – 2.15 ml/L) and 1.0 – 12.8 fl. oz. of Liquid K per 2 gallons water (0.40% – 5.00% v/v) at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area for 1 minute prior to entering area. Foam area should be washed and replaced daily or when it appears dirty. Contact your Ecolab representative for information on Liquid K foaming agents and recommended foaming equipment.

**Shoe Bath Sanitizer Directions**

Shoe baths containing one inch of freshly made solution should be placed at all entrances to buildings and hatcheries. Sanitize boots (shoes) in a solution of 0.27 – 0.70 fl. oz. of KX-6257 per 2 gallons of [water] [tap water] [up to 500 ppm hard water] (0.105% - 0.273% v/v or 1050 ppm – 2730 ppm product or 1.05 – 2.73 ml/L). Scrape gross soils from waterproof work boots (shoes) and place in solution for 1 minute prior to entering area. Change the solution in the bath daily or sooner if solution appears diluted or soiled.

**Shoe Sanitizer Directions**

To sanitize shoes (boots), apply 0.27 – 0.70 fl. oz. of KX-6257 per 2 gallons of [water] [tap water] [up to 500 ppm hard water] (0.105% - 0.273% v/v or 1050 ppm – 2730 ppm product or 1.05 – 2.73 ml/L). Apply use solution using a cloth wipe, coarse sprayer, immersion, or by other appropriate means at all entrances to buildings, hatcheries, production, and packaging rooms. Shoes (boots) must be exposed to the sanitizing solution for a period of not less than 1 minute. A rinse is not required.

**Table 3: Non-Food Contact Surface Sanitizing Claims**

<b>Sanitizing Non-Food Contact Surfaces</b> (0.22 – 0.83 fl oz / 3 gal or 0.057% - 0.216% v/v or 570 ppm – 2160 ppm product or 0.57 – 2.16 ml/L)		
<b>Organism</b>	<b>ATCC Strain</b>	<b>Contact Time</b>
<i>Staphylococcus aureus</i>	ATCC 6538	5 min
<i>Klebsiella aerogenes</i>	ATCC 13048	5 min
<i>Escherichia coli</i>	ATCC 11229	5 min
<i>Pseudomonas aeruginosa</i>	ATCC 15442	5 min
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium	ATCC 13311	5 min
<i>Listeria monocytogenes</i>	ATCC 49594	5 min
<i>Lactobacillus malefermentans</i> *	ATCC 11305	5 min
<i>Pediococcus damnosus</i> *	ATCC 25248	5 min
<b>Foam Sanitizing Non-Food Contact Surfaces</b> (0.27 – 0.55 fl oz / 2 gal 0.105% - 0.215% v/v or 1050 ppm – 2150 ppm product or 1.05 – 2.15 ml/L) (Liquid K concentration = 0.40% - 5.00% v/v)		
<i>Staphylococcus aureus</i>	ATCC 6538	5 min
<i>Klebsiella aerogenes</i>	ATCC 13048	5 min
<i>Escherichia coli</i>	ATCC 11229	5 min
<i>Pseudomonas aeruginosa</i>	ATCC 15442	5 min

<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar typhimurium	ATCC 13311	5 min
<i>Listeria monocytogenes</i>	ATCC 49594	5 min
<i>Lactobacillus malefermentans</i> *	ATCC 11307	5 min
<i>Pediococcus damnosus</i> *	ATCC 25248	5 min

\*At the same dilution, contact time, and use directions, [KX-6257] [this product] is effective at reducing spoilage causing organisms *Pediococcus damnosus* and *Lactobacillus malefermentans*.

## ANTIMICROBIAL

### Antimicrobial Rinse of Pre-Cleaned or New Returnable or Non-Returnable Containers [and Closures] (5 second claim)

To reduce the number of beverage spoilage organisms, apply KX-6257 at a concentration of 3.1 – 10.2 fl. oz. per 4 gallons of [water] [tap water] [up to 500 ppm hard water] (0.606% - 2.000% v/v or 6060 ppm – 20,000 ppm product or 6.06 – 20.00 ml/L) at a temperature of (40 – 60 °C) (104 – 140 °F) for a minimum contact time of 5 seconds. After thorough draining, rinse interior container surfaces with a [potable] water rinse.

**Table 4: Antimicrobial Rinse Claims**

Elevated Temperature Antimicrobial Rinse ((40 – 60 °C) (104 – 140 °F)) (3.1 – 10.2 fl oz / 4 gal or 0.606% - 2.000% v/v or 6060 ppm – 20,000 ppm product or 6.06 – 20.00 ml/L)		
Organism	ATCC Strain	Contact Time
<i>Lactobacillus malefermentans</i>	ATCC 11305	5 sec
<i>Pediococcus damnosus</i>	ATCC 25248	5 sec
<i>Saccharomyces cerevisiae</i>	ATCC 834	5 sec

## DISINFECTION

### Disinfecting Hard, Non-Porous, Non-Food Contact Surfaces

Dilute product to a concentration of 1.39 – 12.75 fl. oz. per 5 gallons (0.217% – 2.000% v/v or 2170 ppm – 20,000 ppm product or 2.17 – 20.00 ml/L) of [hard] [tap] [up to 400 ppm hard] water. For visibly soiled areas a pre-cleaning step is required. Apply solution with mop, (disposable) cloth, wipe, sponge, brush, scrubber, or coarse spray device or by soaking so as to wet all surfaces thoroughly. All surfaces must remain visibly wet for 10 minutes. Remove solution with a clean wet mop, cloth, potable water rinse, or wet vacuum pickup. Prepare a fresh solution daily or when it becomes soiled or diluted. Rinse food contact surfaces with a potable water rinse prior to reuse. Product contact surfaces must be rinsed with sterile water. [KX-6257 is also virucidal\* against the viruses listed in Table 5 when used according to these directions.]

### Fungicidal

**For use as a Fungicide:** [KX-6257 can be used as a fungicide when applied as directed under the disinfectant directions.]

[Dilute product to a concentration of 1.39 – 12.75 fl. oz. per 5 gallons (0.217% – 2.000% v/v or 2170 ppm – 20,000 ppm product or 2.17 – 20.00 ml/L) of [hard] [tap] [up to 400 ppm hard] water. For visibly soiled areas a pre-cleaning step is required. Apply solution with mop, (disposable) cloth, wipe, sponge, brush, scrubber, or coarse spray device or by soaking so as to wet all surfaces thoroughly. All surfaces must remain visibly wet for 10 minutes. Remove solution with a clean wet mop, cloth, potable water rinse, or wet vacuum pickup. Prepare a fresh solution daily or when it becomes soiled or diluted. Rinse food contact surfaces with a potable water rinse prior to reuse. Product contact surfaces must be rinsed with sterile water.]

### Virucidal

**For use as a Virucide\*:** Dilute at a concentration of 1.39 – 12.75 fl. oz. of KX-6257 per 5 gallons of water (0.217% - 2.000% v/v or 2170 ppm – 20,000 ppm product or 2.17 – 20.00 ml/L) of [hard] [tap] [up to 400 ppm hard] water. Apply solution with mop, (disposable) cloth, sponge, brush, scrubber, or coarse spray device or by soaking to pre-cleaned, hard, non-porous surfaces only, thoroughly wetting surfaces. All surfaces must remain visibly wet for 2 minutes, unless otherwise directed. Rinse food contact surfaces with a potable water rinse prior to reuse. Product contact surfaces must be rinsed with sterile water.

**For use as a Virucide\* on food contact surfaces without a rinse:** Dilute at a concentration of 1.39 – 1.75 fl. oz. of KX-6257 per 5 gallons of water (0.217% - 0.273% v/v or 2170 ppm – 2730 ppm product or 2.17 – 2.73 ml/L). Apply solution with mop, (disposable) cloth, sponge, brush, scrubber, or coarse spray device or by soaking to pre-cleaned, hard, non-porous food contact surfaces only, thoroughly wetting surfaces. All surfaces must remain visibly wet for 2 minutes, unless otherwise directed. Rinse not required for food contact surfaces.

**Table 5: Disinfecting Claims**

Organism	ATCC Strain	Contact Time
<b>Disinfection, Virucide, and Fungicide</b> (1.39 – 12.75 fl oz/ 5 gal or 0.217% - 2.000% v/v or 2170 ppm – 20,000 ppm product or 2.17 – 20.00 ml/L)		
<b>Bacteria</b>		
<i>Staphylococcus aureus</i>	ATCC 6538	10 min



<i>Pseudomonas aeruginosa</i>	ATCC 15442	10 min
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar typhimurium	ATCC 13311	10 min
<b>Fungi</b>		
<i>Trichophyton interdigitale</i>	ATCC 9533	10 min
<b>Viruses*</b>		
*Norovirus [Feline Calicivirus [FCV]] strain F-9	[(ATCC VR-782)]	2 min
*Human Rhinovirus 37 Strain 151-1	ATCC VR-1607	2 min
*Avian Influenza A Virus (H7N9)	CDC #2013759189	2 min
*Avian Influenza A Virus (H5N1)	CDC #2006719965	2 min
*SARS-CoV-2 virus [*SARS-Related Coronavirus 2] [*2019 Novel Coronavirus]	USA-WA 1/2020	2 min

## CLEANING

### Hard Surface Cleaning

For hard surface cleaning applications, remove gross soil particles from surfaces. Then thoroughly clean surfaces with a concentration of 0.27 – 5.11 fl. oz. of KX-6257 per 2 gallons of water (0.105% – 2.000% v/v or 1050 ppm – 20,000 ppm product or 1.05 – 20.00 ml/L) in conjunction with an alkaline pH modifier, such as KOH or NaOH to adjust the cleaning solution to a pH of 8.8. All hard, non-porous food contact surfaces treated with this cleaning system must be rinsed thoroughly with potable water followed by sanitizing with an approved food contact sanitizer.

For hard surface acid cleaning applications, if needed remove gross food particles with a water rinse, then wash using KX-6257 at a rate of 0.27 – 0.70 fl. oz. of KX-6257 per 2 gallons of water (0.105% - 0.273% v/v or 1050 ppm – 2730 ppm product or 1.05 – 2.73 ml/L). All hard food contact surfaces treated with this cleaning system should be drained thoroughly, no rinse required.

### Final Bottle and Closure Cleaning Rinse

This product may be used as a final cleaning rinse for returnable and non-returnable [bottles] [containers] (e.g., glass or PET) [and/or closures] not requiring a final food contact surface sanitizing rinse at a concentration of 0.27 – 0.70 fl. oz. per 2 gallons of [water] [tap water] [up to 500 ppm hard water] (0.105% - 0.273% v/v or 1050 ppm – 2730 ppm product or 1.05 – 2.73 ml/L). Drain thoroughly.

### STORAGE & DISPOSAL:

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE AND DISPOSAL.

**PESTICIDE STORAGE:** Store this product in a cool, dry area, away from direct sunlight and heat to avoid deterioration and in a vented container to avoid any explosion hazard. Keep this product in a tightly close container, when not in use. In case of spill, flood the area with large quantities of water. Product or rinsates that cannot be used must be diluted with water before disposal in a sanitary sewer.

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

### CONTAINER HANDLING AND DISPOSAL:

(< 5 gallons) Non-refillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

(>5-55 gallons) Non-refillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

(Tote) Verify the tote is empty. Do not rinse or clean. Seal tote and contact Ecolab for return.

(Bulk) Refill the container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

(FOR (INDUSTRIAL) (AND) (COMMERCIAL) USE)  
STRONG OXIDIZING AGENT

Net Contents: 4.5 U.S. Gal (17 L) 14.5 U.S. Gal (54.9 L) 50 U.S. Gal (189 L) 304 U.S. Gal (1150 L)
--

(Country of origin: (insert country))  
 (Barcode)  
 (Expiry Date: )  
 (Manufacturing Date: )  
 (Do Not Freeze)  
 (Keep From Freezing)

(Manufactured) (Distributed) by:  
 Ecolab, Inc.  
 1 Ecolab Place  
 St. Paul, MN 55102 (USA)  
 (www.ecolab.com)

(Made in United States of America) (Made in USA)

EPA Reg. No. 1677-XXX  
 EPA Est.:1677-MN-X (P), 60156-IL-X (SI), 1677-CA-X (R), 1677-TX-X (D), 1677-IL-X (J), 1677-CA-X (S), 1677-GA-X (M), 1677-WV-X (V), 1677-PR-X(B), 1644-CA-X(S), 1677-WV-X (V), 303-IN-X (L), 58046-TX-X (X), 5389-NC-X (G)  
 Superscript refers to first letter of date code

(This product may be patented) | (Ce produit peut être breveté) | (Este producto puede ser patentado):  
[www.ecolab.com/patents](http://www.ecolab.com/patents)

(All rights reserved) (© (insert year) Ecolab USA Inc.)  
 (Insert label number) (\*\*\*\*\*/\*\*\*\*\*/\*\*\*\*)

**Optional Marketing Language:**

**Product Description:**

KX-6257 is a peroxyacetic acid-based antimicrobial agent for use in a number of sanitizing and disinfecting applications as indicated in the Directions for Use.

Attribute	Marketing Language
<b>Antimicrobial Efficacy</b>	Effective against the microorganisms listed in Directions for Use, at a variety of temperatures. A lower use temperature may reduce energy costs. [Other sanitizers are generally used at temperatures of 75°F or higher.]
	This product kills *Norovirus (FCV surrogate)
	This product is effective against *Norovirus (FCV surrogate)
	Reduces harmful microorganisms on critical [meat], [poultry], and [fruit][vegetable] conveyor surfaces during processing.
	Effective against spoilage microorganisms that can adversely affect product quality.
	This product kills H1N1 Influenza A virus (formerly called swine flu).
	This product kills *SARS-CoV-2 virus [*SARS-Related Coronavirus 2] in 2 minutes on hard non-porous surfaces.
	KX-6257 is effective as a disinfectant at a concentration of 1.39 – 12.75 fl. oz. of KX-6257 per 5 gallons (0.217% - 2.000% v/v or 2170 ppm – 20,000 ppm product or 2.17 – 20.00 ml/L) of hard water (400 ppm as CaCO <sub>3</sub> ), and 5% blood serum on hard non-porous surfaces.
	This product kills <i>Trichophyton interdigitale</i> (formerly <i>Trichophyton mentagrophytes</i> ) (the athlete's foot fungus) in areas such as locker rooms, dressing rooms, shower and bath areas, and exercise facilities.
	This product is a one-step fungicide at a concentration of 1.39 – 12.75 fl. oz. of KX-6257 per 5 gallons (0.217% - 2.000% v/v or 2170 ppm – 20,000 ppm product or 2.17 – 20.00 ml/L). Treated surfaces must remain visibly wet for 10 minutes.
[Proven] [Developed] [Approved] [Formulated] to [kill] [reduce] [penetrate] <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms at sanitizer concentration when used according to the biofilm sanitizing use directions	

Achieve a 6-log reduction of biofilm bacteria <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> at no rinse level when used according to the biofilm sanitizing use directions
Reducing your microbial load of [ <i>Listeria monocytogenes</i> ] [ <i>L. monocytogenes</i> ] and [ <i>Pseudomonas aeruginosa</i> ] [ <i>P. aeruginosa</i> ] contained within biofilms by [6 logs] [99.9999%]
<i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilm [penetrating] sanitizer when used according to the biofilm sanitizing use directions on hard, non-porous food contact surfaces
Sanitizer with no-rinse food contact surface claims for <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms when used according to the biofilm sanitizing use directions.
Kill <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms on hard, non-porous food contact surfaces, when used according to the biofilm sanitizing use directions.
[Kill] [Reduce] <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms on hard, non-porous food contact surfaces when used according to the biofilm sanitizing use directions; [no rinse required]
[Penetrates] [and] [kills] [and] [reduces] <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms from hard, non-porous food contact surfaces when used according to the biofilm sanitizing use directions.
For use on hard, non-porous surfaces
Effective at [reducing] [and] [killing] <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms on gaskets when used according to the biofilm sanitizing use directions.
No rinse required on [food] [product] contact surfaces
KX-6257 has been developed to kill [99.9999%] [6 logs] of <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> in biofilms at no-rinse levels.
KX-6257 [, when used as a no-rinse sanitizer,] can [penetrate] [and] [reduce] <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms when used according to the biofilm sanitizing use directions.
KX-6257 can improve your food safety program by reducing 99.9999% [6 log] of <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms as a no rinse sanitizer when used according to the biofilm sanitizing use directions.
No rinse needed! KX-6257 has <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilm claims at sanitizer levels when used according to the biofilm sanitizing use directions.
KX-6257 is effective at killing <i>Pseudomonas aeruginosa</i> and <i>Listeria monocytogenes</i> containing biofilms at [no rinse] sanitizer levels when used according to the biofilm sanitizing use directions.
KX-6257 can destroy <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms as a no-rinse sanitizer when used according to the biofilm sanitizing use directions.
Kill <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms while sanitizing, when used according to the biofilm sanitizing use directions.
KX-6257 controls <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms when used according to the biofilm sanitizing use directions.
Kills [99.9999%] [6 log] of <i>Pseudomonas aeruginosa</i> and <i>Listeria monocytogenes</i> in biofilms on a hard, non-porous surfaces when used according to the biofilm sanitizing use directions.
Kills 99.9999% [6 log] of <i>Pseudomonas aeruginosa</i> and <i>Listeria monocytogenes</i> in biofilms as a no rinse sanitizer, when used according to the biofilm sanitizing use directions.
Reduces 99.9999% [6 log] of <i>Pseudomonas aeruginosa</i> and <i>Listeria monocytogenes</i> growing in biofilms when used according to the biofilm sanitizing use directions.
Formulated to kill 99.9999% [6 log] of <i>Pseudomonas aeruginosa</i> and <i>Listeria monocytogenes</i> in biofilms when used according to the biofilm sanitizing use directions.
Kills biofilm [producing] [forming] bacteria <i>Pseudomonas aeruginosa</i> and <i>Listeria monocytogenes</i> when used according to the biofilm sanitizing use directions.
Penetrates biofilms, killing [99.9999%] [6 log] of the bacteria <i>Pseudomonas aeruginosa</i> and <i>Listeria monocytogenes</i> [living there] when used according to the biofilm sanitizing use directions.
Bacteria tested as a biofilm include <i>Pseudomonas aeruginosa</i> and <i>Listeria monocytogenes</i>
KX-6257 is effective as a biofilm sanitizer against <i>Pseudomonas aeruginosa</i> and <i>Listeria monocytogenes</i> when used according to the biofilm sanitizing use directions.

	Improves shelf-life of [food or beverage] [product] being manufactured as part of a comprehensive cleaning and sanitizing program
	Reduces spoilage causing organisms in biofilms that impact product shelf life
	Reduces listed pathogens contained in biofilms when used according to the biofilm sanitizing use directions.
	Reduce frequency of [product recalls] [product losses] [associated with biofilms]
	Reduce food recall risk by [reducing] [killing] <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms
	Reduce <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms while you sanitize according to the biofilm sanitizing use directions
	KX-6257 is designed to kill pathogens on hard, non-porous surfaces, including <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> hiding within biofilms
	A solution to your <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilm challenges
	KX-6257 strengthens your sanitation preventive controls by penetrating biofilms and killing [6-logs] [99.9999%] of <i>Pseudomonas aeruginosa</i> and <i>Listeria monocytogenes</i>
	Reduce <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilm loads by [6 logs] [99.9999%] when used according to the biofilm sanitizing use directions in food contact [cracks] [and] [crevasses]
	By penetrating the biofilm polysaccharide layer, KX-6257 can reduce <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> bacteria in biofilms [on hard, non-porous food contact surfaces] [without requiring a rinse] [as a sanitizer] when used according to the biofilm sanitizing use directions
	[Treat] [kill] [reduce] [sanitize] <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms within food contact [process] piping before they slough off and cause [food safety] [and] [food] [quality] [risks] [challenges] [concerns]
	Ideal for central sanitize [CIP] systems to [kill] [reduce] [control] the buildup of <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms
	KX-6257 can reduce product quality issues caused by <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms
	KX-6257, when used according to the use directions as a biofilm sanitizer, reduces [6-log] [99.9999%] of <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> bacteria [hiding] in biofilms. [No rinse needed]
	[Reduce] [kill] [sanitize] <i>Listeria monocytogenes</i> and <i>Pseudomonas aeruginosa</i> biofilms [on food contact surfaces] with KX-6257. Use according to the biofilm sanitizing use directions.
	Effective against <i>Listeria monocytogenes</i> on [environmental] [hard, non-porous] [non food contact] [food contact] surfaces.
	Effective against environmental microorganisms that can adversely affect product quality. See use instructions for list of organisms.
<b>Application</b>	Registered for continuous treatment of conveyors in food processing operations.
	Useful for CIP, spray, soak or foam additive sanitizing applications with an approved additive such as Liquid K. (Liquid K foam is not to be used in the state of California.)
	Registered for continuous treatment of conveyors in food processing operations, reducing microorganisms listed in the Directions for Use on critical meat, poultry and fruit/vegetable conveyor surfaces during processing.
	Suitable for use in bottle rinse applications.
	Areas of use: Use KX-6257 in veterinary clinics, animal life science laboratories, industrial facilities, office buildings, recreational facilities, retail and wholesale establishments.
	Useful for CIP, spray, and soak sanitizing applications, and can be used in foam sanitizing applications with approved additive, Liquid K. (Liquid K foam is not to be used in the state of California.)
	Useful for CIP, spray, and soak applications [with no rinse required].
	Eliminates the need for multiple sanitizers.
	No-rinse sanitizer could eliminate the need for a product push, resulting in reduced product loss.
	This product complies with USDA NOP organic regulations 7 CFR 205.605 for handling and processing.
	This product is [formulated] compliant with USDA NOP organic regulations 7 CFR 205.605(b).
	Registered for continuous treatment of conveyors in food processing operations.

	<p>KX-6257 can be used to control the tracking harmful organisms into and between animal areas and packaging/storage areas of food plants.</p> <p>When used in accordance with disinfectant use directions, KX-6257 disinfects as it cleans in one operation.</p> <p>Sanitizer does not require a rinse, resulting in reduced CIP water consumption.</p>
<b>Concentration</b>	<p>Reduced use-concentration lowers necessary drum quantity on site.</p> <p>More concentrated product allows for lower necessary drum quantities on site.</p> <p>Reduces storage capacity constraints due to increased product concentration and lower use rates.</p> <p>Reduced effluents due to lower use of concentration requirement.</p> <p>More concentrated product requires less frequent [drum][tote] change overs, saving time and reducing employee exposure risk.</p>
<b>Conductivity</b>	<p>KX-6257 is traceable at no rinse food contact concentration.</p> <p>Allows for automatic monitoring of the entire CIP system.</p> <p>Improves continuous control of sanitizer concentrations.</p> <p>Traceable no-rinse food contact sanitizer</p> <p>KX-6257 concentration can be monitored real-time using conductivity, decreasing dependence on manual titrations.</p> <p>In-line monitoring and control allows for accurate and reliable sanitizer concentration</p> <p>Improves [Enhances] [Boosts] concentration control in antimicrobial bottle rinse applications.</p> <p>Chemical concentration can be monitored and controlled in real-time.</p> <p>Real-time monitoring and control using conductivity</p> <p>Improve chemical management through [real-time] conductivity control</p> <p>Optimize your sanitizer usage by using conductivity to control concentration [in real time].</p>
<b>Formula</b>	<p>Low foaming formulation minimizes CIP cycle time and improves efficiency.</p> <p>Low foaming formulation minimizes CIP cycle time</p> <p>Formulated for rapid soil penetration during cleaning and ability to stand up to heavy organic loads.</p> <p>Use solutions non-corrosive to 304, 316, and 410 stainless steel surfaces when used at recommended concentrations.</p> <p>Compatible with the majority of plastic and rubber materials commonly used in processing operations.</p> <p>KX-6257 (in use solution) is compatible with stainless steel and aluminum surfaces. If product is intended to be used on any other surface, it is recommended that you apply product to a smaller test area to determine compatibility before proceeding with its use. (Consult Ecolab for specific material compatibility questions).</p> <p>Effective in the removal and elimination of pungent food additives, colorings, and flavorings from food processing and filling equipment.</p> <p>Active ingredients rapidly break down after use into water, oxygen, and acetic acid.</p> <p>Low phosphorus formulation helps minimize phosphate-related effluent fees.</p> <p>Product contains no (intentionally added) (iodine), (chlorine), (quats), (quaternary ammonium compounds).</p> <p>Reduced effluents due to Low Phosphorus formulation.</p> <p>KX-6257 can be used to disinfect floors, walls and other hard, non-porous, non-food contact surfaces such as tables, chairs, countertops, bathroom fixtures, sinks, shelves, racks, carts, refrigerators, coolers, glazed tile, linoleum, vinyl, glazed porcelain, plastic (such as polypropylene and polyethylene), stainless steel, or glass</p> <p>Fast breaking foam lets you know that the sanitizer is present and doing its job in environmental sanitization applications.</p>
<b>Low pH</b>	<p>Leaves equipment surfaces shining – sheeting action provides spotless, film-free equipment.</p> <p>Low pH use solution efficiently aids in mineral [hard water] and [milk soil] removal</p> <p>Low pH formula aids in removal of mineral scale, leaving the surfaces shining and film free</p> <p>Excellent mineral solubility helps reduce frequency of acid washes saving time [and] [resources] [water] [chemistry] [energy] [labor]</p> <p>Convenient to use - provides acidified rinse and sanitizer in one step - no post-rinse required.</p> <p>Performs acid rinse and sanitizing in one step.</p> <p>Leaves stainless steel surfaces free from mineral deposits - low pH use solution aids in mineral, hard-water and milk stone removal.</p>

	Leaves stainless steel surfaces shiny.
	Improved mineral solubility helps reduce frequency of acid washes and labor needs, resulting in increased productivity.
	Potential elimination of acid rinse helps save resources and reduce water consumption
	Improved mineral solubility helps reduce frequency of acid washes and chemistry usage.
	[Convenient to use] [-] [provides acidified rinse and sanitizer in one step] [-] [no post rinse required]
<b>Packaging</b>	Reduced employee exposure to concentrated product in drum and tote packaged product, through the unique drum packaging closure [and closed loop delivery system].
	[Reduced] total volatiles and oxidizer in the air compared to other peroxyacetic acid and traditional mixed peracid sanitizers.
	Reduced employee exposure to volatiles due to unique dispensing system.
	Unique drum quick-connect closure reduces employee exposure to concentrated product
	Improved Employee Safety because of ability to be dispensed safely.
	Unique dispensing system results in reduced chemical exposure risk for employees

Read all labels for directions for use, first aid and precautionary statements.

Lea todas las etiquetas para instrucciones de uso, primeros auxilios y medidas preventivas.

[Note to reviewer: Wording in brackets is considered optional.]



Antimicrobial  
Antimicrobiano

**KEEP FROM FREEZING**  
**NO DEJE QUE SE CONGELE**

**DO NOT STORE IN DIRECT SUNLIGHT**  
**NO ALMACENE BAJO LA LUZ SOLAR DIRECTA**

---

***(EMERGING VIRAL PATHOGEN CLAIMS – The statements below shall only be communicated through technical literature distributed exclusively to health care facilities, physicians, nurses, and public health officials, “1-800” consumer information services, social media sites, and company websites (non-label related). These statements shall not appear on marketed or final print product labels.)***

This product qualifies for emerging viral pathogen claims per the EPA’s ‘Guidance to Registrants: Process for Making Claims Against Emerging Viral Pathogens not on EPA-Registered Disinfectant Labels’ when used in accordance with the appropriate use directions indicated below.

This product meets the criteria to make claims against certain emerging viral pathogens from the following viral categories:

<b><i>For an emerging viral pathogen that is a/an...</i></b>	<b><i>... follow the directions for use for the following organisms on the label:</i></b>
Enveloped virus	Norovirus (Feline Calicivirus tested surrogate) (ATCC VR-782), Rhinovirus (Type 37, Strain 151-1) (ATCC VR-1147)
Large, non-enveloped virus	
Small, non-enveloped virus	

Acceptable claim language:

***[Product name] has demonstrated effectiveness against viruses similar to [name of emerging virus] on hard, non-porous surfaces. Therefore, [product name] can be used against [name of emerging virus] when used in accordance with the directions for use against [name of supporting virus(es)] on hard, non-porous surfaces. Refer to the [CDC or OIE] website at [pathogen-specific website address] for additional information.***

***[Name of illness/outbreak] is caused by [name of emerging virus]. [Product name] kills similar viruses and therefore can be used against [name of emerging virus] when used in accordance with the directions for use against [name of supporting virus(es)] on hard, /non-porous surfaces. Refer to the [CDC or OIE] website at [website address] for additional information.”***

*(Communication of these statements may begin upon CDC or OIE website notification identified under Section V of the Guidance of an outbreak of an emerging small non-enveloped, large non-enveloped, and/or enveloped viral pathogen.)*

*(Communication will cease, and all non-label communications intended for consumers no later than 24 months after original notification of the outbreak on the CDC or OIE website, unless the agency provides guidance to the contrary due to continued public health concerns.)*

**SECONDARY/USE DILUTION CONTAINER LABEL**

(Note to reviewer: This secondary/use dilution container label will be used when the product is diluted up to 2.56 fl. oz. per gallon of water.)

**KX-6257**

(Concentrate Ingredient Statement)

**Active Ingredients:**

Hydrogen Peroxide .....	10.62%
Peroxyacetic Acid .....	10.34%
<b>Other Ingredients:</b> .....	79.04%
<b>Total:</b> .....	100.00%

Diluted product in this container up to 2.56 fl. oz per gallon water.

Diluted product in this container is \_\_\_\_\_ fl. oz. per gallon water.

**KEEP OUT OF REACH OF CHILDREN****USE DILUTION PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS AND DOMESTIC ANIMALS****PRECAUTIONARY STATEMENTS**

Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**FIRST AID**

**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 and then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**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. Call a poison control center or doctor for treatment advice.

Follow the directions for use listed on the concentrate label when applying this product.  
EPA Reg. No. 1677-XXX