



FOOD SERVICE SANITIZERS

F - 25



Liquid Sanitizer

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FEATURES:

- Concentrated blend of dual quaternary ammonium chlorides.
- Currently holds CFIA Letter of Non-Objection.
- Easily dispensed, applied, controlled, and tested.
- Hard water tolerant.
- Non-corrosive.
- Product is heat stable.
- Effective against *Listeria monocytogenes*, *Escherichia coli* 0157:H7, *Salmonella* and *Campylobacter jejuni*.
- Certified Kosher

BENEFITS:

1. Versatile use in the sanitation of plants and other institutional use.
2. Potable water rinse not required for sanitation of pre-cleaned surfaces when used in solution of 2ml per litre of water providing 200ppm active quaternaries.
3. Cost effective.

DIRECTIONS FOR USE:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not contaminate water, food or feed by use, storage or disposal of this product. **F-25** is a concentrate and should be diluted before using. Mix only with water.

F-25 is designed for use in food processing plants, dairies, restaurants, hospitals, nursing homes, hotels, schools, and other institutions where sanitation is required. **F-25** can be used for sanitization of previously cleaned food equipment, food contact items, and egg shells intended for food in egg shell and egg product processing plants when used as directed.

SANITIZATION – Recommended for use in food processing plants, dairies, restaurants and bars. This product has been shown to be effective against *Listeria monocytogenes*, *Escherichia coli* 0157:H7, *Salmonella enteritidis* and *Campylobacter jejuni* as a sanitizing rinse on previously cleaned food contact surfaces when used at 200ppm active ingredient for 30 seconds.

FOR SANITIZATION OF HARD NON-POROUS SURFACES:

Remove all gross food particles and soil by a pre-flush or pre-scrape and, when necessary, pre-soak treatment. Thoroughly wash the surfaces or objects with a good detergent or compatible cleaner followed by a potable water rinse prior to the application of the sanitizing solution.

The sanitizing solution must remain in contact with the surface for at least 60 seconds, then drain the use solution and allow to air dry.

Prepare a fresh use dilution of 200ppm active quaternary solution by adding 2ml of **F-25** to 1 litre of water, daily or more frequently when solution becomes diluted or soiled.

To sanitize immobile items such as tanks, chopping blocks, and counter tops, flood the area with a 200ppm active quaternary solution for at least 60 seconds, making sure to wet all surfaces completely. Remove excess; drain the use solution from the surface and air dry. Prepare a fresh solution daily or more frequently as soil becomes apparent.

To sanitize mobile items such as drinking glasses and eating utensils, immerse in a 200ppm active quaternary solution for at least 60 seconds, making sure to immerse completely. remove excess; drain the use solution from the surface and air dry. Prepare a fresh solution daily or more frequently as soil becomes apparent.

When used for sanitization of previously cleaned and rinsed food equipment or food contact items, limit the active quaternary to 200 ppm.

FOOD PROCESSING EQUIPMENT: For sanitization of previously cleaned food processing equipment and food utensils, spray or immerse with sanitization solution containing 2ml of **F-25** to 1 litre of water to provide 200 ppm of active quaternary. **NO POTABLE WATER RINSE IS REQUIRED.** For cleaning at 1,000 ppm, dilute 40ml of **F-25** with 4 litres of water, spray or immerse in solution for 15 minutes and thoroughly rinse with potable water. All food contact surfaces must be thoroughly rinsed with a **F-25** solution of 2ml to 1 litre of water (200 ppm active quaternary) prior to reuse. Allow food contact surfaces to drain thoroughly before operations are resumed.

DAIRIES: To sanitize dairy equipment such as tanks, lines, pails, and milk cans, first clean and rinse the equipment thoroughly. Then flood or spray sanitization solution containing 2ml of **F-25** to 1 litre of water (200ppm active quaternary). **NO POTABLE WATER RINSE IS REQUIRED.** Use a minimum contact time of 60 seconds or increase contact time as required by the Local Health Board.

MUSHROOM FARMS: To sanitize mushroom equipment, clean and rinse equipment thoroughly. Apply sanitizing solution containing 2ml of **F-25** per 1 litre of water (200ppm active quaternary). **NO POTABLE WATER RINSE IS REQUIRED.** Use to sanitize floors, walls, and inanimate hard non-porous surfaces only in areas where compost and mushrooms are not present. Let surfaces air dry.

RESTAURANT AND BAR RINSE:

To be used on dishes, glassware, silverware and cooking utensils.

1. Scrape and pre-wash utensils and glasses whenever possible.
2. Wash with a good detergent or compatible cleaner (a commercial cleaner or detergent can be recommended as long as it is not of an anionic nature). Rinse with potable water.
3. Sanitize in a solution of 2ml to 1 litre of water (200 ppm). Immerse all utensils for at least two minutes or contact time specified by governing sanitary code
5. Place sanitized utensils on rack or drain board to air-dry.
6. No potable water rinse is required.

EGG SANITIZING: To sanitize previously cleaned undamaged shell eggs intended for food or food products, spray with a solution of 2ml of **F-25** in 1 litre of warm water (200ppm active quaternary). The solution must be warmer than the eggs, but not to exceed 54°C (13°F). Wet eggs thoroughly and allow to drain thoroughly. Eggs sanitized with this product shall be subjected to a thorough potable water rinse if they are to be immediately broken for use in the manufacture of egg products. Eggs must be reasonably dry before casing or breaking. The solution is not to be reused for sanitizing eggs.

DIRECTIONS FOR FOGGING: For use in dairies, beverage and food processing plants. To sanitize hard non-porous room surfaces as an adjunct to acceptable manual cleaning. All food products and packaging material must be removed from the room or carefully protected prior to fogging. After cleaning, fog the desired areas using 1litre per 26 cubic meters of room volume with a solution containing 12ml **F-25** to 1 litre of water (1200ppm active quaternary). Vacate the area of all personnel during the fogging and for a minimum of 2 hours after fogging. All food contact surfaces must be thoroughly rinsed with potable water then sanitized with an **F-25** solution of 2ml to 1 litre of water (200 ppm active quaternary) prior to reuse. Allow food contact surfaces to drain thoroughly before operations are resumed.

BOOT SANITIZING: For use in dairies, beverage and food processing plants to prevent cross contamination between processing areas. Boot wash or baths containing one inch of freshly made sanitizing solution should be placed at all entrances to buildings and hatcheries. Scrape boots and allow contact of 2ml of **F-25** to 1 litre of water solution to boots for 60 seconds prior to entering the area. Change the solution daily or when solution becomes visibly dirty. For use with non-porous water-resistant boots.

Non-Food Contact Applications:

BOOT CLEANING: wash, foam or spray boots with solution of 40ml of **F-25** to 4 litres of water. Allow all treated surfaces to air dry. Change the solution daily or when solution becomes visibly dirty. For use with non-porous water resistant boots.

DRAIN CLEANING: For cleaning drains, dilute 40ml of **F-25** per 4 litres of water. Pour solution down drain being sure to coat all sides of drainpipe. Leave all treated surfaces exposed to solution to air dry.

CLEANING AIDS: For cleaning plastic brooms, brushes, squeegees, wet/dry vacuums and condensate removal equipment, dilute 40ml of **F-25** per 4 litres of water to provide 1000ppm of active quaternary. The cleaning aids should either be stored dry or in a **F-25** solution of 1000ppm of active quaternary.

MOLD AND MILDEW CONTROL: Dilute 4ml **F-25** to 1 litre water. Do not rinse.

****Use Quaternary Test Kit K-1582

PROPERTIES:

Solubility.....	Complete
Biodegradable.....	Yes
Wetting Action.....	Rapid
Hard Water Tolerance.....	Yes
pH:.....	6.5-8.5
Specific Gravity:.....	0.99-1.0
pH 1%:.....	7 - 7.15
Viscosity:.....	6 cps
VOC% (EPA METHOD 24).....	1-1.3
Conductivity:.....	188µS/cm
Recommended Use Temperature:.....	(50-140°F)10-60°C
Metal Safety:.....	Safe on all metals
Storage:.....	Avoid freezing
Flash Point TCC:.....	None
Appearance and Odour:.....	Clear orange liquid, mild odour
Active Ingredients:..	
n-Alkyl dimethyl benzyl ammonia chlorides.....	5% by wt.
n-Alkyl dimethyl ethylbenzyl ammonium chlorides	5% by wt.

CAUTION KEEP OUT OF REACH OF CHILDREN FOR HANDLING AND PRECAUTIONARY INFORMATION, REFERENCE THE PRODUCT LABEL AND MATERIAL SAFETY SHEET.

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 Supercedes: 10/11/07

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