Lock & Fill™

LF14

Sanitizer

Food Service Products

For Use On:

Floors	Glasses	Tables
Walls	Refrigerators	Food Processing Equipment
Sinks	Dishes	
Silverware	Countertops	

DESCRIPTION

An effective sanitizer for use in meatrooms, dairies, poultry plants, bars, restaurants, cafeterias, etc. For use on countertops, eating utensils, drinking glasses, or any hard inanimate, nonporous surface. Will sanitize at a use dilution of 1/4 ounce per gallon of water. No rinsing is required. At 1 ounce per 4 gallons this product (200 ppm active) eliminates 99.999% of the of the following bacteria in 60 seconds in 500 ppm hard water (calculated as $CaCO_3$) according to the AOAC Germicidal and Detergent Sanitizing Action of Disinfectants test.

Campylobacter jejuni
Shigella dysenteriae
Escherichia coli
Staphylococcus aureus
Escherichia coli O157:H7
Yersinia enterocolitica
Listeria monocytogenes

DIRECTIONS

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

FOR SANITIZING: For use on hard non-porous surfaces such as counter tops, eating utensils, and drinking glasses. Remove gross filth and soil deposits. Pre-clean all surfaces prior to sanitizing. Thoroughly wet surfaces. Use 1 ounce per 4 gallons of water for a minimum contact time of 1 minute in a single application. Can be applied with mop, sponge or cloth as well as spraying or soaking The recommended use solution is prepared fresh for each use then discarded. Drain thoroughly. Do not rinse.

Before use as a sanitizer in federally inspected meat and poultry plants and dairies, food products and packaging materials must be removed from the room or carefully protected. A potable water rinse is not required following use of this compound on previously cleaned hard surfaces provided that the surfaces are adequately drained for contact with food so that little or no residue remains.

RESTAURANT AND BAR USE: For use as a sanitizer on dishes, glassware, silverware, cooking utensils, wash with detergent, rinse thoroughly and immerse in a solution (1 ounce per 4 gallons of water) for at least 1 minute.

BEVERAGE PLANTS: For sanitizing of bottling or pre-mix dispensing equipment, after cleaning thoroughly rinse equipment with cold or luke warm water. Fill equipment with solution of 1 oz. per 4 gallons of water (200 ppm quat). Allow the solution to remain in contact with equipment for at least 1 minute or until operations resume at which time the sanitizing solution should be drained from the system. To insure the removal of flavors, it is suggested that during changeover between products, the system should be cleaned, rinsed and flushed with the sanitizing solution for at least 1 minute. Allow to drain completely before using.

PRODUCT SPECIFICATIONS

Active Ingredients:	10%	**Solubility:**	Complete with water
Color:	Clear	**Rinsability:**	No rinsing is required
Odor:	None	**Flash Point:**	None (waterbased)
Base:	Quaternary ammonium chloride	**Hard Water Tolerance:**	750 ppm
		Biodegradability:	Complete
pH:	7.5 - 8.0	**Storage/Stability:**	2 years
Viscosity:	Water thin	**Weight per Gallon:**	8.28 lbs./gal.
Foam:	Low to moderate	**Freeze / Thaw Stability:**	Keep from freezing
Phosphate Content:	None		

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(Prepared According to 29 CFR 1910.1200)
Prepared by: Regulatory Affairs Dept.

MATERIAL SAFETY DATA SHEET

Effective Date: 1/09 Revision: n/a

LF14

HMIS Hazardous Materials Identification System

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	D

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Supplier's Name: Misco Products Corporation
Supplier's Address: 1048 Stinson Drive Reading, PA 19605
Supplier's Phone #: (610) 926-4106
Product Name: Lock & Fill Sanitizer **EPA Reg. No.:** 10324-63-8325
Generic Name: No Rinse Food Contact Sanitizer
Chemical Family: Quaternary Detergent blend **Formula:** Proprietary
FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	TWA-TLV	Reportable EPA-SARA 313	Reportable CARCINOGEN
Water	7732-18-5	to 100			
Alkyl Dimethyl Benzyl Ammonium Chloride	68391-01-5	5.0	Not Established	No	No
Alkyl Dimethyl EthylbenzylAmmonium Chloride	68956-79-6	5.0	Not Established	No	No

SECTION 3-PHYSICAL DATA

Boiling Point (F): 212^0 F.
Vapor Density (Air=1): >1
Solubility in Water: Complete
VOC Contents: None
Specific Gravity: 0.97 - 0.99
% Volatile:90
Evaporation Rate (Water=1): >1
Vapor Pressure: 20mm Hg @68F.
pH: 6.0 - 8.0
Physical Description: Slightly viscous clear liquid with characteristic odor.

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None
Upper Explosion Limit: N/A
Lower Explosion Limit: N/A
Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable
Unusual Fire and Explosion Hazards: N/A
Pictograph

SECTION 5-REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: None
Hazards Decomposition Products: Will not occur
Incompatibility (Materials to Avoid): Strong Acids, oxidizers, Chlorine
Pictograph

SECTION 6-STORAGE AND HANDLING INFORMATION

Corrosive to eyes and skin. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing of vapors or mists. Use in well-ventilated area. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Corrosive. Severe Skin irritant. May cause burns and permanent damage.
Eyes: Severe eye irritant. Liquid and mists may damage eyes, causing corneal damage.
Inhalation: Mists may be irritating to mucous membranes in the nose, throat, and lungs.
Ingestion: Irritating to the mouth and throat. May cause headache, nausea, and abdominal pain.

First Aid Procedures:
Skin: Immediately remove contaminated clothing. Flush with water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention immediately.
Inhalation: Get to fresh air. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Give large quantities of milk and water. Seek medical attention immediately. Probable mucosal damage may contraindicate the use of gastric lavage

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements
Ventilation Requirements: Good general ventilation should be sufficient to control airborne levels. Provide mechanical exhaust in areas of poor ventilation, where mist generation may occur.
Protective Gloves: Rubber or other chemical resistant.
Eye Protection: Safety glasses or chemical splash goggles.
Other Protective Equipment: Eyewash station nearby. Wear protective outer-wear when danger of mist contact may occur. Protective rubber boots should be worn when mopping floors

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Ventilate area well. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: EPA registered pesticide. Dispose of in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not disposal of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:
No - Fire Hazard
No - Sudden Release of Pressure Hazard
No - Reactivity Hazard
Yes - Immediate (acute) Health Hazard
No - Delayed (chronic) Health Hazard

Shipping Information:

FOR 1-GALLON CONTAINERS: Corrosive liquid, Basic, Organic, n.o.s. (Quaternary Ammonium Compound), 8, UN3267, PG III, (limited Quantity)
FOR CONTAINERS = 1/2 GALLON: Corrosive liquid, Basic, Organic, n.o.s. (Quaternary Ammonium Compound), 8, UN3267, PG III, (limited Quantity)

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product.

N/A= Not Applicable