

Sanitizer

For Use On:

- | | | |
|------------|---------------|-----------------|
| Floors | Glasses | Tables |
| Walls | Refrigerators | Food Processing |
| Sinks | Dishes | Equipment |
| 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 CaCO₃) 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
pH:	7.5 - 8.0	Biodegradability:	Complete
Viscosity:	Water thin	Storage/Stability:	2 years
Foam:	Low to moderate	Weight per Gallon:	8.28 lbs./gal.
Phosphate Content:	None	Freeze / Thaw Stability:	Keep from freezing

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Supplier's Name: Misco Products Corporation	Product Name: Sanitizer	HMIS Hazardous Materials Identification System
Supplier's Address: Reading, PA	Generic Name: Food Contact Sanitizer	(Ready-to-Use product ONLY)
Supplier's Phone #: (610) 926-4106	Chemical Family: Quaternary Detergent Blend	Health - 1
	Formula: Proprietary	Flammability - 0
		Reactivity - 0
		Protection - A

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Dimethyl Benzyl Ammonium Chloride	68391-01-5	5.0			
Dimethyl ethylbenzyl Ammonium Chloride	68956-79-6	5.0			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F.
Vapor Pressure: 20mm Hg @ 68 F.
% Volatile: 80+
Solubility in Water: Complete
Physical Description: Slightly viscous liquid with characteristic odor.

Specific Gravity: 0.97 – 0.99
Vapor Density (Air=1): >1
pH: 6.0-8.0
Evaporation Rate (Water=1): <1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Upper Explosion Limit: N/A
Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable
Unusual Fire and Explosion Hazards: N/A

Lower Explosion Limit: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable
Hazards Decomposition Products: Will not occur.

Hazardous Polymerization: None
Incompatibility (Materials to Avoid): None

SECTION 6-STORAGE AND HANDLING INFORMATION

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

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Corrosive. Severe skin irritant. May cause burns or permanent damage.
Eyes: Corrosive. Severe eye irritant. Liquid and mists may injure the eyes, causing corneal damage.
Inhalation: May cause irritation and corrosive effect to nose, throat, and respiratory tract.
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Burning, pain, and diarrhea expected with large doses.

First Aid Procedures:

Skin: Remove contaminated clothing. Flush affected areas with large quantities of water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention.
Inhalation: Remove victim to fresh air. Seek medical help.
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: Chemical resistant rubber or neoprene.
Eye Protection: Safety glasses or chemical splash goggles.
Other Protective Equipment: Face shield recommended when handling concentrate. Protective footwear (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. 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 CONTAINERS > 1 Gallon : Corrosive liquid, Basic, Organic, n.o.s. (Quaternary Ammonium Compound), 8, UN3267, PG III
 FOR 1-GALLON CONTAINERS: Corrosive liquid, Basic, Organic, n.o.s. (Quaternary Ammonium Compound), 8, UN3267, PG III, (limited Quantity)
 FOR CONTAINERS < 1 GALLON: Corrosive liquid, Basic, Organic, n.o.s. (Quaternary Ammonium Compound), 8, UN3267, PG III, (limited Quantity)

HMIS Hazardous Materials Identification System

Health	3
Flammability	0
Reactivity	0
Personal Protection	D

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

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