



Quaternary Sanitizer

Food Contact Sanitizer, Institutional, Restaurant, Food Handling and Process Areas, Bar and Institutional Kitchen Use, Laundry Sanitizer.



PRODUCT USES

Disinfects and deodorizes hard surfaces, and is a no-rinse sanitizer for food service utensils, pots, pans, counters, chopping blocks, tables and kitchen equipment. This product is safe for use in food service establishments, when used as directed below. E.P.A. approved sanitizer for institutional and commercial laundry.

OPERATOR BENEFITS

- "No Rinse" formula saves time and labor.
- Designed for "3rd Tank Sink" sanitizing and for general disinfecting.
- Deodorizes unpleasant odors, including the mop head.
- Mild on hands and this delivers economical use-cost.
- Kills HIV-1 on laundry in commercial, industrial and institutional applications.

DIRECTIONS FOR USE

General Disinfection: Add 3 ounces of this product to 5 gallons of water for disinfection against *Staphlococcus aureus*, *Listeria monocytogenes*, and *Yersinia enterocolitica*.

1. Add 3 ounces of this product per 5 gallons of water.
2. Apply solution with mop, cloth, sponge or hand pump sprayer. Wet all surfaces.
3. Allow to remain wet for 10 minutes, then remove excess liquid.

Kitchen Equipment, Utensils and Food Preparation Surface Sanitization:

When used as directed this product is an effective sanitizer against *Escherichia coli*, *Escherichia coli O157:H7*, *Staphlococcus aureus*, *Yersinia Enterocolitica*, and *Listeria monocytogenes*.

1. Remove all gross food soils from areas to be sanitized.
2. Rinse with a potable water rinse.
3. To sanitize pre-cleaned food contact surfaces, prepare a 200 ppm active quaternary solution by adding 1.36 ounces of this product to four gallons of water.
4. Flood the area to be sanitized with a 200 ppm active quaternary solution for at least 60 seconds.
5. Remove the excess or drain the use-solution from the surface and air dry.
6. NO POTABLE RINSE IS REQUIRED.

Laundry Sanitation: When used as directed this is an effective sanitizer against *Staphlococcus aureus*, *Klebsiella pneumonia*, *Pseudomonas aeruginosa*, *Methicillin-resistant Staphlococcus aureus* (MRSA).

1. This product is used in the final, warm rinse cycle at a low water level.
2. Dilute this product 1.33 ounces per gallon of water (16 ounces per 100 lbs. of dry laundry) (780 ppm active quat); then add to wash in the final rinse, or dispense directly through dispensing equipment.
3. Run for a minimum of 5 minutes. Retreat if necessary.

PRODUCT SPECS

Pack sizes:	4/5 GAL	Color:	Clear
Characteristics:	Non-viscous liquid	Odor:	Pleasant
Rinsability:	Excellent	Foam:	Controlled
Flammability:	NA	pH in conc. form:	6.0 - 9.0
Biodegradable:	E.P.A. Registered	Phosphorous content:	0.0%

IMPORTANT OPERATOR INFORMATION

MSDS:

Refer to Material Safety Data Sheet (MSDS) supplied by your distributor for information on emergency response, safe usage, hazards, first aid, and proper product handling.

Emergency Response Phone:

1-800-424-9300

Statement of Practical Treatment:

If swallowed: Dilute by giving large amounts of water and call a physician.

For eye or skin contact: Flush with cool water for 15 minutes and call a physician.

Product Precautions:

DANGER: CORROSIVE

Harmful if swallowed. Injurious to eyes and skin.

KEEP OUT OF REACH OF CHILDREN.

Shipping Classification:

UN 1903, Disinfectants, Liquid, Corrosive, N.O.S., Class 8, PG III

(Contains Ammonium Chloride)

CORROSIVE

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Safety Data Sheet									
Section 1: Identification									
Name: TMA - QUATERNARY SANITIZER (EPA 10324-81)				Date Issued: 4/24/15					
Other Name: N/A				TMA Code: TM108554					
Recommended Use: Sanitizing without chlorine									
Supplier Information: Technical Marketing Alliance 2335 Buttermilk Crossing Crescent Springs, KY 41017									
Emergency Telephone: 800-424-9300				Product Information: 859-727-7854					
Section 2: Hazard(s) Identification									
Potential Health Effects									
Signal Word = Warning				Label Elements:					
Hazard Category:									
Acute Oral Toxicity = 4 - Harmful if swallowed									
Eye Damage/Irritation = 2B - Causes eye irritation									
Precautionary Statement:									
Prevention = Wash any contacted parts of the body after handling with soap and water thoroughly. Wear eye protection/face protection.									
Response = If swallowed, contact a physician immediately and follow advice from medical professional. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.									
If eye irritation persists: Get medical advice/attention.									
Storage = Store containers in an upright position. Ensure container lids are in place and secure when not in use.									
Disposal = Review all federal, state and local laws regarding disposal of this product.									
Prolonged/Repeated Exposure Effects:									
Eye: N/A									
Skin: N/A									
Inhalation: N/A									
Ingestion: May cause damage to mucous membranes and tissue									
The above listed potential effects are compiled based on a review of all component SDS's									
Section 3: Composition Information on Ingredients									
CAS Number	Chemical Name	% by Vol	RQ#	OSHA	TWA	STEL			
68424-85-1	Alkyl dimethyl benzyl ammonium chloride (C12-16)	<5	No Data		No Data	No Data			
32426-11-2	Octyl decyl dimethyl ammonium chloride	<5	No Data		No Data	No Data			
%Phosphorus in product: 0%									
**Components listed above are hazardous as defined in 29 CFR 1910.1200. Their quantities are proprietary.									
All remaining components are considered non-hazardous and proprietary in their quantities**									
Section 4: First Aid Measures									
Eye: Flush affected area with large quantities of water for at least 15 minutes. Obtain medical attention if irritation persists.									
Skin: Flush affected area with large quantities of water for at least 15 minutes. Obtain medical attention if irritation									
Inhalation: If symptoms are experienced, remove victim to fresh air. Obtain medical attention if irritation persists.									
Ingestion: Obtain medical attention.									
Section 5: Fire Fighting Measures									
Flash Point: N/A				Fire Fighting Methods: Use methods suitable for surrounding fire.					
Auto ignition Temperature: Not Determined									
Flammability Limits: N/A									
Extinguishing Media: Select extinguisher suitable for surrounding fire				Unusual Fire Hazards: N/A					

Section 6: Accidental Release Measures

Containment and Clean up: Observe all personal protective equipment noted in sections 5 and 8. Observe local, state, and federal laws and regulations that may apply to a release and disposal of this material.

Section 7: Handling and Storage

Store containers in an upright position. Ensure container lids are in place and secure when not in use.

Section 8: Exposure Controls

CAS Number	Chemical Name	OSHA	TWA	STEL
68424-85-1	Alkyl dimethyl benzyl ammonium chloride (C12-16)		No Data	No Data
32426-11-2	Octyl decyl dimethyl ammonium chloride		No Data	No Data

Engineering Controls: Use with adequate ventilation

PPE for Routine Handling and Spills: Wear chemical goggles, chemical resistant gloves, and chemical apron.

Eyes: Safety glasses / Chemical Goggles recommended

Skin: Chemical protective gloves are recommended

Inhalation: N/A

Section 9: Physical and Chemical Properties

Physical Form: Liquid	Odor: Characteristic	Freezing/Melting Point: N/D
Color: Red packed 2 gal/case; Colorless 4/case.	Specific Gravity: >1	pH: 6-9
	Viscosity: N/D	Vapor Density: N/D
Boiling Point: N/D	Vapor Pressure: N/D	

Section 10: Stability and Reactivity

Chemical Stability: Stable	Hazardous Polymerization: Will not Occur	Conditions to Avoid: N/A
Materials to Avoid: N/A	Hazardous Decomposition Products: N/A	

Section 11: Toxicological Information

Special Hazard Information on Components: No known applicable information

Listed on NTP Report? No

Listed on IARC (Suspected Carcinogen)? No

Section 12: Ecological Information

Exotoxicity: N/D	Bio accumulative Potential: N/D
Persistence and Degradability: Similar to water	Mobility in Soil? N/D

Section 13: Disposal Considerations

Review all federal, state and local laws regarding disposal of this product.

Section 14: Transportation Information

UN1903, Disinfectants, Liquid, Corrosive, N.O.S. Class 8, PG III (Quaternary Ammonium Compound)

Section 15: Regulatory Information

Contents of this SDS comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: No components listed on this SDS are subject to the Toxic Substances Control Act (TSCA) section 12(b) export notification requirements delineated at 40 CFR part 707, subpart D.

EPA SARA Title III Chemical Listings: No

CERCLA Hazardous Substances: No

Section 311/312 Hazard Class: No

Section 313 Toxic Chemicals: No

Section 16: Other Information

Prepared by: J. Chantz Horman on 4/24/15 The industrial hygiene and safe handling procedures are believed to be applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.