



**MATERIAL SAFETY DATA SHEET**  
(Essentially similar to U.S. Department of Labor Form OSHA 174)

Identity: <b>KAYQUAT®-L Sanitizer</b> EPA Registration No: 6836-138-5389	Chemical Family: <b>Quaternary Cleaner-Sanitizer</b>
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**SECTION I**

Manufacturer: <b>Kay Chemical Company</b> Address: <b>8300 Capital Drive Greensboro, NC 27409 USA</b>	<b>Emergency Medical Telephone #:</b> (800)304-0824 or call collect 0(303)592-1709 (24 hours) <b>Telephone # for Other Info:</b> (800)333-4300 (USA or Canada) or (336)668-7290 <b>Date Prepared:</b> June 17, 2002
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**SECTION II - Hazardous Ingredients/Identity Information**  
(Hazardous Ingredients as Defined by OSHA, 29 CFR 1910.1200)

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Alkyl dimethyl benzyl ammonium chloride	68424-95-3 & 64824-85-1	NA	NA	
Octyl decyl dimethyl ammonium chloride	68424-95-3 & 64824-85-1	NA	NA	
Dioctyl dimethyl ammonium chloride	68424-95-3 & 64824-85-1	NA	NA	
Didecyl dimethyl ammonium chloride	68424-95-3 & 64824-85-1	NA	NA	

This mixture, when tested as a whole, is considered corrosive to the eyes within the meaning of OSHA Hazard Communication Standard.

**SECTION III - Physical/Chemical Characteristics**

Boiling Point: >212° F	Specific Gravity (Water=1): 1.022
Vapor Pressure (mm Hg.): N.A.	Melting Point: N.A.
Vapor Density (AIR=1): Est. heavier than air	Evaporation Rate: U.I. (Butyl Acetate=1)
Solubility in Water: Soluble	
Appearance and Odor: Clear, red liquid; mild odor.	

**SECTION IV - Fire and Explosion Hazard Data**

Flash Point(TCC) >300° F	Flammable Limits % by Vol	LEL: N.A.	UEL: N.A.
Extinguishing Media: Carbon dioxide, dry chemical, or water			
Special Fire Fighting Procedures: None			
Unusual Fire and Explosion Hazards: Decomposition products include: oxides of nitrogen, ammoniacal vapors.			

**SECTION V - Reactivity Data**

Stability	Unstable:	Conditions to Avoid: None
	Stable: X	
Incompatibility (Materials to Avoid): Strong oxidizing agents		
Hazardous Decomposition or Byprod: Nitrous oxides and ammoniacal vapors		
Hazardous Polymerization	May Occur:	Conditions to Avoid: None
	Will Not Occur: X	



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## SECTION VI - Health Hazard Data

Primary Route(s) of Entry:	SKIN ( X )	EYES ( X )	INGESTION ( X )	INHALATION ( )
Health Hazards (Acute and Chronic):	Acute:	Corrosive. Concentrate causes severe eye and skin damage. Contact with use solution may cause eye irritation.		
	Chronic:	Not a known hazard.		
Signs and Symptoms of Exposure:	Eyes: Direct eye contact can cause severe irritation, tearing, redness or permanent damage. Ingestion: Can result in nausea, diarrhea, and mucosal and gastric irritation or permanent damage. Skin: Prolonged skin contact can cause severe irritation, dryness and scaling.			
Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No	
Medical Conditions – Generally Aggravated by Exposure:	None known.			
Emergency and First Aid Procedures:	Eyes:	Immediately flush with plenty of water for at least 15 minutes. Call a physician.		
	Skin:	Immediately flush with plenty of water for at least 15 minutes. Call a physician. Remove and wash all contaminated clothing before reuse.		
	If Swallowed:	Drink milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Call a physician.		

## SECTION VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled:	Use absorbent, then mop with water and dispose of as set forth below.
Waste Disposal Method:	If permitted, flush down acceptable sewer or dispose of at landfill. Dispose of in accordance with all applicable regulations.
Precautions to be Taken in Handling and Storing:	No unusual precautions necessary.
Other Precautions:	Do not mix with any other chemicals unless recommended by Kay Chemical Company.

## SECTION VIII - Special Protection Information

Respiratory Protection (Specify Type):	Not required with normal usage.		
Ventilation	Local Exhaust:	Not required	Special: None
	Mech.(General):	Not required	Other: None
Protective Gloves:	Rubber gloves when handling concentrate for prolonged periods.	Eye Protection:	Splash Resistant safety glasses or goggles when handling concentrate.
Other Protective Clothing or Equipment:	Not required with normal usage.		

## SECTION IX - State Right-To-Know Information

The specific chemical identity of this product is being withheld as a proprietary trade secret.

N.A. = Not Applicable  
 U.I. = Unavailable Information

KU1916