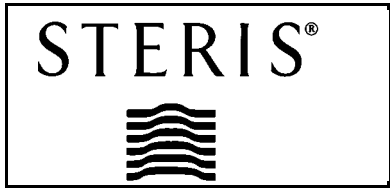


Material Safety Data Sheet
 May be used to comply with OSHA's
 Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.



Product Name	Product Description	Product ID
CAGE KLENZ 150	LOW-FOAMING CHLORINATED CLEANER	1K15

SECTION I

Manufacturer's Name STERIS Corporation	Emergency Telephone Number 1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)	Health	3		
		Fire	0		
Address P.O. Box 147 St. Louis, Missouri 63166	Telephone Number for Information 1-800-444-9009 (Customer Service - Scientific Products)	Reactivity	0		
		Least Slight Moderate High Extreme			
	Date Prepared: May 30, 2000	0	1	2	3
Prepared by: M. Ebers					

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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Hazardous Components (Specific Chemical Identity; Common Name(s))	% by Wt.	ACGIH TLV	OSHA PEL	Other Limits Recommended
potassium hydroxide (1310-58-3)	< 10	2mg/m ³ (Ceiling)	2mg/m ³	
sodium hypochlorite (7681-52-9)	< 5	ne	ne	

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

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Solubility in Water	Complete	Specific Gravity (H₂O=1 @ 25C)	1.16
Freezing Point F	30F	% Volatile by wt @ 105C/1 hr	95
pH @ 1% Solution	~ 12.0	pH as Distributed	~ 13.7
Appearance	Clear, light yellow liquid	Odor	Chlorine odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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Flash Point (Method Used)	None	Flammable Limits	N/A	LEL	UEL
Extinguishing Media	CO ₂ , dry chemical, water spray				
Special Fire Fighting Procedures	Respiratory protection is essential.				
Unusual Fire and Explosion Hazards	Decomposition products may rupture containers when heated; toxic and flammable gasses may be released.				

SECTION V - REACTIVITY DATA

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Stability	Unstable		Conditions to Avoid Exposure to heat, light, contamination with incompatible materials.
	Stable	X	
Incompatibility (Materials to Avoid)		Reacts violently with acids liberating irritating gas. May evolve flammable hydrogen gas on contact with metals.	
Hazardous Decomposition or Byproducts		HCl, Cl ₂ , HOCl, CO ₂ , hydrogen gas	
Hazardous Polymerization	May Occur		Conditions to Avoid None known.
	Will Not Occur	X	

CAGE KLENZ 150

SECTION VI - HEALTH HAZARD DATA

A. ACUTE (Primary Route of Exposure)

EYES: Corrosive. Causes burns.

SKIN: Causes severe irritation or burns.

INHALATION: Mists and fumes irritating to nose, throat, respiratory tract.

INGESTION: Severely irritating to mouth, throat, gastrointestinal tract.

B. SUBCHRONIC, CHRONIC, OTHER: None known.

SECTION VII - EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush eyes immediately with water for at least 15 minutes. Get medical attention.
Skin: Flush skin immediately with water for at least 15 minutes. Get medical attention.
Ingestion: Do not induce vomiting. Get medical attention. Do not give anything by mouth to an unconscious person. If conscious, drink a large quantity of milk or water.
Inhalation: Remove patient to fresh air. If not breathing, give artificial respiration. Get medical attention.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING & USE

Spill Management:	Contain spill. Absorb onto absorbent material and place in a D.O.T. approved container for disposal. Flush spill site with large quantities of water to a sanitary sewer.
Waste Disposal Methods:	Unused material is considered hazardous waste (EPA hazardous waste No. D002, characteristic of corrosivity) due to high pH. Product may be neutralized and flushed with large amounts of water to sanitary sewer. If the means are not available to neutralize this product, this waste must be disposed of in accordance with state, local and federal regulations. Contact your local EPA Regional Office for further guidance.
Precautions to be taken in handling and storage:	Avoid contact with eyes, skin and clothing. Avoid breathing mists. Wear goggles and gloves when handling. Use in a well-ventilated area. Store away from acids or heat. Do not store in stainless steel. If frozen, thaw and remix before use.
Shipping information:	UN/DOT Classification: Corrosive Liquid, Basic, Inorganic (Potassium Hydroxide and Sodium Hypochlorite) 8, UN 3266, PG III

SECTION IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory:	When spraying wear a NIOSH approved respirator appropriate for conditions.		
Eyes:	Goggles	Gloves:	Rubber
Other Clothing and Equipment:	Protective clothing.		

