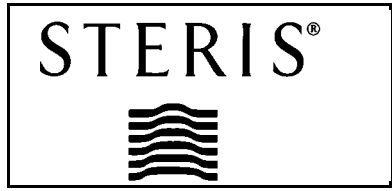


Material Safety Data Sheet
 May be used to comply with OSHA's
 Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.



Product Name	Product Description	Product ID
CAGE KLENZ 280	SCALE REMOVER	1K28

SECTION I

Manufacturer's Name	Emergency Telephone Number	Health	3 Corp orati on		
STERIS Corporation	1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)	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		
	Date Prepared: August 17, 2000	Least Slight Moderate High Extreme			
	Prepared by: M. Ebers	0	1	2	3

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
Phosphoric Acid (7664-38-2)	< 40	1mg/m ³	1mg/m ³	STEL=3mg/m ³

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

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Solubility in Water	Complete	Specific Gravity (H₂O=1 @ 25C)	1.23
Freezing Point F	N/A	% Volatile by wt @ 105C/1 hr	N/AV
pH @ 1% Solution	1.8 - 2.5	pH as Distributed	<1.0
Appearance	Clear, colorless liquid	Odor	Mild chemical odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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Flash Point (Method Used)	N/AV	Flammable Limits	N/A	LEL	UEL
Extinguishing Media	Product is not flammable or combustible.				
Special Fire Fighting Procedures	Exercise caution when fighting chemical fires. Respiratory protection is essential.				
Unusual Fire and Explosion Hazards	Contact with some metals can generate hydrogen gas.				

SECTION V - REACTIVITY DATA

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Stability	Unstable		Conditions to Avoid None known.
	Stable	X	
Incompatibility (Materials to Avoid)		Strong caustics, metals or chlorine-containing products.	
Hazardous Decomposition or Byproducts		Phosphoric acid fumes, phosphorus oxide fumes.	
Hazardous Polymerization	May Occur		Conditions to Avoid None known.
	Will Not Occur	X	

CAGE KLENZ 280

SECTION VI - HEALTH HAZARD DATA

A. ACUTE (Primary Route of Exposure)

EYES: Product is extremely irritating to the eyes and may result in eye burns.

SKIN: Product is severely irritating to skin and can result in skin burns; repeated or prolonged contact with more dilute solutions may result in dermatitis.

INHALATION: Inhalation of aerosol mist or vapors is irritating to respiratory tract, eyes and throat. Prolonged exposure to high concentration may result in pulmonary edema.

INGESTION: Ingestion may result in abdominal hemorrhage with severe abdominal pain, nausea, vomiting or loss of consciousness; necrosis of stomach and gastrointestinal tract may also occur.

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 on 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 low 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 breathing vapors or mists. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Keep container closed when not in use.
Shipping information:	Not packaged or labeled for air shipments

SECTION IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: For high concentrations of vapor or mist, use NIOSH-approved respirator.

Eyes:	Chemical splash goggles or full face shield	Gloves:	Rubber
Other Clothing and Equipment:	Rubber apron and boots		
Ventilation:	Local exhaust ventilation recommended to maintain air concentrations below established limits.		