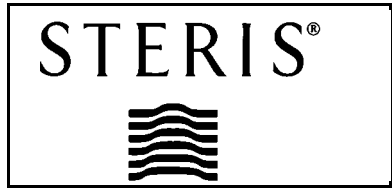


Material Safety Data Sheet
 May be used to comply with OSHA's
 Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.



Product Name	Product Description	Product ID
CIP 100	Liquid Alkaline Detergent	1D10

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	1
		Least Slight Moderate High Extreme	
	Date Prepared: December 15, 2000	0 1 2 3 4	
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)	<25	2mg/m ³ (ceiling)	2mg/m ³ (ceiling)	

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

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Solubility in Water	Complete	Specific Gravity (H₂O=1 @ 25C)	1.26
Freezing Point F	N/A	% Volatile by wt @ 105C/1 hr	80
pH @ 1% Solution	12.4	pH as Distributed	>13
Appearance	Clear, light straw liquid	Odor	Slight chemical odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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Flash Point (Method Used)	None to boiling (TCC)	Flammable Limits	N/A	LEL	UEL
Extinguishing Media	Product is not flammable or combustible. Use media appropriate for the primary source of fire.				
Special Fire Fighting Procedures	Use caution when fighting any fire involving chemicals. A self-contained breathing apparatus is essential.				
Unusual Fire and Explosion Hazards	Can react with soft metals to evolve flammable hydrogen gas.				

SECTION V - REACTIVITY DATA

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Stability	Unstable		Conditions to Avoid None known
	Stable	X	
Incompatibility (Materials to Avoid)		Acids, soft metals, oxidizers	
Hazardous Decomposition or Byproducts		CO, CO ₂ , oxides of nitrogen	
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

SECTION VI - HEALTH HAZARD DATA**A. ACUTE (Primary Route of Exposure)**

EYES: Corrosive. Causes burns. Mists of use dilution cause irritation.

SKIN: May cause severe irritation or burns.

INHALATION: Mists extremely irritating to mucous membranes, upper respiratory tract.

INGESTION: Corrosive to mouth, throat and stomach.

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 the 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:	Do not get in eyes, on skin, or on clothing. Avoid breathing mist. Keep container closed. Wash thoroughly after handling. Additional information: Read and observe label precautions.
Shipping information:	UN/DOT Classification: Potassium Hydroxide Solution, 8, Corrosive, UN 1814, PG II

SECTION IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory:	Where engineering controls are impractical, use NIOSH - approved respirator appropriate for conditions.		
Eyes:	Chemical splash goggles and face shield	Gloves:	Rubber
Other Clothing and Equipment:	Rubber apron and rubber boots		
Ventilation:	Local exhaust ventilation recommended to maintain air concentrations below established limits.		