

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.

U.S. Department of Labor  
 Occupational Safety and Health Administration  
 (Non-mandatory Form)  
 Form Approved

**Bodily Fluid Clean Up Kit**

**Hibistat® Liquid**

**Section 1 – Ingredients**

Ingredient	CAS#	%	PEL
Chlorhexidine Gluccnate	18472-51-0	0.5%	Not listed
Isopropyl Alcohol	67-63-0	70.0%	400 ppm
Emollients (Nonhazardous)		1.5%	Not listed
Water		28.0%	

Ingredients not precisely described are proprietary or nonhazardous. Values are not product specifications.

**Section 2 – Physical Data**

Boiling Point	Above 150° F	Vapor Density	No data	pH	No data
Specific Gravity	04812-1.901	% Volatile	About 98	Appearance & Odor	Clear liquid w/alcohol odor

**Section 3 – Fire and Explosion Hazard Data**

Flash Point	68.6° F	Autoignition Temp.	No data	Flammable Limits	2-12%
Extinguishing Media	Water fog, alcohol foam, carbon dioxide, dry chemical, halogenated agents.				
Special Fire Fighting Protective Equipment	Self contained breathing apparatus with full facepiece and protective clothing.				
Unusual Fire and Explosion Hazards	Flammable liquid. Heavy vapors can flow along surfaces to distant ignition sources and flash back.				

**Section 4 – Reactivity Data**

Stability	Stable	Incompatibility	None known	Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	Combustion products: carbon, dioxide, carbon monoxide, nitrogen				

**Chlorine Concentrate**

**Section 5 – Physical/Chemical Characteristics**

Ingredient	CAS#
Sodium Hyprchlorite	7681-52-9

**Section 6 – Physical Data**

Boiling Point	217°	Melting Point	N/A	Vapor Density	19.2
Freezing Point	N/A	Specific Gravity	1.087	Saturation in Air	N/A
Vapor Pressure	16	pH	12.4	Evaporation Rate	N/A
Auto ignition Temp	N/A	Volatiles by Weight	88	Solubility	N/A
Appearance/Odor	Pale, yellow liquid with typical liquid bleach odor				
Flash Point	N/A	Flammable Limits	N/A		

**Section 7 – Reactivity**

Stability	Stable	Conditions to avoid	See incompatibility	Polymerization	Will not occur
Incompatible Materials	Acids, ammonia, organic compounds, heavy metals and salts thereof, and oxidizing or reducing compounds				
Hazardous Decomposition	Chlorine, chlorine dioxide, chloramines				

### Section 8 – Health Hazard Data

Exposure Limits	N/A	Threshold Limit	N/A
Warning Signals	Respiratory – ocular irritation		
Effects of Over Exposure	Inhalation	Respiratory tract irritation, pulmonary edema	
	Ingestion	May cause burning sensation and irritation of mucous membranes with proptemesis	
	Skin	Vesicular eruptions and eczematoid dermatitis	
	Eyes	Irritation, mild to moderate from vapors	

### Section 9 – Exposure Control Methods

Engineering	None	Eye Protection	None
Skin Protection	None	Respiratory Protection	None
Handling Practices	Use normal precautions for handling caustic substances.		
Storage	Should be stored below 90°F. Should not be exposed to direct sunlight for extended periods of time.		
Normal Clean Up	Dilute with copious amounts of water and then mop up.		
Waste Disposal	Flush with water to sewer in accordance to federal, state and local ordinances.		

### Section 10 – Emergency Procedures

Fire and Explosion Hazard	Bleach decomposes when heated to high temperatures: Use respiratory protection. Decomposition products may cause containers to rupture.		
Extinguishing Methods	N/A		
Spill Procedures	Avoid fumes from spilled liquids, dilute copiously.		
First Aid Procedures	Eyes	Rinse thoroughly with water, seek medical assistance.	
	Skin	Rinse thoroughly with water.	
	Inhalation	Remove to fresh air; support respiration.	
	Ingestion	Swallow immediately: milk, egg white, mill of magnesia, or starch paste.	

### Absorbent Powder

### Section 11 – Physical/Chemical Characteristics

Ingredient	TLV	%	CAS#
Diatomaceous Earth	10mg/M3	15-35%	

### Section 12 – Physical Data

Boiling Point	N/A	Specific Gravity	N/A	Vapor Pressure	N/A
% Volatile	0	Vapor Density	N/A	Evaporation Rate	N/A
Solubility	Negligible	Appearance & Odor	Granular white solid with fragrant odor		

### Section 13 – Fire and Explosive Data

Flash Point	None	Flammable Limits	N/A	LEL	N/A
UEL	N/A	Extinguishing Media	Water, CO2, foam, dry chemical		
Special Fire Fighting Procedures	Avoid strong oxidizing agents				
Unusual Fire and Explosion Hazards	Product becomes slippery when wet due to gel formation				

### Section 14 – Reactive Hazards

Stable	Yes	Conditions to avoid	Keep away from open flame	Hazardous Decomposition	None
Incompatibility	Hydrofluoric acid, strong oxidizing agents				
Hazardous Polymerization	Will not occur				
Conditions to Avoid	High dust concentrations				

### Section 15 – Health Hazards

Effective of Overexposure	May cause temporary irritation or inflammation of the eye, nose and bronchi				
First Aid Procedures	Inhalation	Remove person to fresh air			
	Skin or Eye	Flush with running water for several minutes.			
	Ingestion	Drink large quantities of water. Do not induce vomiting.			

### Section 16 – Handling Procedures

Steps to be taken if material is released or spilled	Vacuum dry spill. If spill becomes wet and gelled, shovel up or hose it down with copious amounts of water. Surface upon which material has been applied will become slippery when wet.
Waste Disposal Method	Comply with local, state, and federal regulations. No major precautions.
RCPA	Non hazardous
Precautions to be taken in handling and storage	Store in cool, dry place to protect product from moisture. Keep out of reach of children. Operators applying large amounts of product should wear approved dust respirators and goggles.

### Section 17 – Special Protection Information

Respiratory Protection	For use with large amounts of material. Wear NIOSH approved respirator as required.
Ventilation	Mechanical exhaust is adequate
Protective Gloves	Not required.
Eye Protection	When applying large amounts of material, use approved goggles.
Other Protective Equipment	Not required.

### Section 18 – Health Hazard Assessment

General	No toxicity information is available on this specific preparation: This health hazard assessment is based on information that is available on its components.	
Ingestion	The acute oral LD50 in rat is probably above 5 g/kg. Relative to other materials, a single dose of this product is practically nontoxic by ingestion.	
Eye Contact	This material is probably slightly irritating to human eyes. Reports have also indicated that chlorhexidine gluconate, a component of this preparation, can cause severe and permanent eye injury (blindness) following prolonged contact with eye tissue.	
Skin Contact	No irritation is likely to develop following repeated and/or prolonged contact with human skin.	
Skin Absorption	Systemically toxic concentrations are unlikely to be absorbed through the skin in man.	
Inhalation	Vapors and aerosol can produce irritation of eyes, nose, and throat.	
Other effects of overexposure	Depression, headache, nausea, vomiting, irritation of eyes, nose, and throat. Chlorhexidine gluconate has been reported to cause deafness if instilled into the middle ear through perforated eardrums. Anaphylactoid reactions have been described following excessive tissue and/or mucous membrane absorption.	
First Aid Procedures	Skin	Wash material off the skin with plenty of soap and water. If redness, itching or a burning sensation develops, get medical attention and discontinue use.
	Eyes	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel.
	Ingestion	Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person).
	Inhalation	Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

### Section 19 – Spill or Leak Procedures

Steps to be taken in case material is released or spilled	Eliminate source of ignition and ventilate spill area. Wear skin, eye and respiratory protection during cleanup. Soak up liquid with absorbent and shovel into waste container. Use a non-sparking shovel and other equipment. Cover container and remove from work area. Wash residue from spill area with water and flush to a sewer serviced by a wastewater treatment facility.
Disposal Method	Because of a flash point below 140° F, discarded product is a hazardous waste, No. D001, under RDRA, 40 CFR 261.21. Dispose of in facility permitted for hazardous waste.
Container Disposal	Empty container retains hazardous residue. Observe all hazard precautions. Keep away from heat, sparks, and flames. Do not use cutting or welding torch on or near containers of this product. Do not distribute, make available, furnish or reuse empty container except for storage and shipment or original product. Empty container, remove all hazardous residue. Puncture or otherwise destroy empty container before disposal.

### Section 20 – Special Protection Information

General	The following precautions pertain to handling industrial quantities.
Ventilation	Use local exhaust to keep exposures to a minimum.
Respiratory Protection	Use MSHA/NIOSH approved respirator for dusts, mists, and fumes whose TLV is greater than 0.05mg/m <sup>3</sup> in combination with an organic vapor cartridge.
Protective Clothing	Impervious gloves and apron.
Eye Protection	Chemical tight goggles; Full faceshield in addition if splashing is possible.
Other Protective Equipment	Eyewash station and safety shower in work area.