



MATERIAL SAFETY DATA SHEET

QUICK IDENTIFIER

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SECTION I - IDENTITY

MANUFACTURER'S NAME Huntington Laboratories, Inc.		EMERGENCY TELEPHONE NO. 219/356-8100
ADDRESS (Number, Street, City, State, and Zip Code) 970 East Tipton Street, Huntington, Indiana 46750		
CHEMICAL NAME AND SYNONYMS N/A		TRADE NAME AND SYNONYMS TOR Germicidal Detergent
CHEMICAL FAMILY Quaternary Germicidal Detergent	FORMULA N/A	

SECTION II - HAZARDOUS INGREDIENTS

CAS NO.	PRINCIPAL HAZARDOUS COMPONENT(S)	%	TLV (Units)
68424-85-1	n-Alkyl dimethyl benzyl ammonium chloride	1.6	N/A
68391-01-5	n-Alkyl dimethyl ethyl benzyl ammonium chloride	1.6	N/A

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	212	SPECIFIC GRAVITY (H ₂ O = 1)	1.04
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT, VOLATILE BY VOLUME (%)	85
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE (water = 1)	1
SOLUBILITY IN WATER	100%	REACTIVITY IN WATER	none
APPEARANCE AND ODOR	Green free flowing liquid, sassafras	pH	12.4

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (Method used)	None TOC	FLAMMABLE LIMITS	LOWER N/A	UPPER N/A
EXTINGUISHING MEDIA	N/A	AUTO-IGNITION TEMPERATURE	N/A	
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

SECTION V - PHYSICAL HAZARDS

STABILITY	UNSTABLE	CONDITIONS TO AVOID	None
	STABLE	x	
INCOMPATABILITY (Materials to avoid)	Acids		
HAZARDOUS DECOMPOSITION PRODUCTS	None		
HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID	
	WILL NOT OCCUR	x	None

SECTION VI - HEALTH HAZARD DATA					
THRESHOLD LIMIT VALUE		N/A			
Effects of Overexposure		N/A			
1. Inhalation		N/A			
2. Eyes		May cause irritation.			
3. Skin		May cause irritation.			
4. Ingestion		May be harmful if swallowed.			
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Yes ☐ No ☒	I.A.R.C. Monographs	Yes ☐ No ☒	OSHA Yes ☐ No ☒
OSHA Permissible Exposure Limit	ACGIH Threshold Limit Value	N/A	Other Exposure Limit Used	N/A	
Emergency and First Aid Procedures					
1. Inhalation Move to fresh air.					
2. Eyes Flush with flowing water for 15 minutes. Call a physician.					
3. Skin Flush with flowing water for 15 minutes. If irritation persists, call a physician.					
4. Ingestion Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.					

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Mop up. Rinse with water. Flush down drain.	
WASTE DISPOSAL METHOD	
Flush down drain. Large amounts to sanitary landfill.	

SECTION VII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type) None required.			
VENTILATION	LOCAL EXHAUST	N/A	SPECIAL N/A
	MECHANICAL (General)	N/A	OTHER N/A
PROTECTIVE GLOVES Rubber when handling concentrate		EYE PROTECTION Goggles or face shield when handling concentrate.	
OTHER PROTECTIVE EQUIPMENT None required.			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTION TO BE TAKEN IN HANDLING AND STORING	
Product separates at temperatures below 35°F or above 125°F. Restore by stirring at room temperature. Do not get in eyes, skin or on clothing. Rinse container thoroughly and discard it. Avoid contamination of food. Keep away from children.	

Prepared by Clem L. Harris Title Technical Service Manager
 Signature Clem L. Harris Date January 6, 1986

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