

CUSTOMER
SEE
REVERSE
SIDESCHOOLCRAFT COLLEGE
13600 HAGGERTY
ATTN: DIR. OF BIOLOGY DEPT.
LIVONIA, MICHIGAN 48150MATERIAL SAFETY
DATA SHEETDATE 7/1/78
CUSTOMER NO. 300177MSDS DATE 7-1-78
PRODUCT NO. 104527
INVOICE NO. 200015

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 Tiplon Street, Huntington, Indiana 46750
CHEMICAL NAME AND SYNONYMS N/A	TRADE NAME AND SYNONYMS CLOCKWISE FLAMING SHOWER CLEANSER	
CHEMICAL FAMILY ACID/DETERGENT/SOLVENT	FORMULA N/A	

SECTION II - HAZARDOUS INGREDIENTS

CAS NO.	PRINCIPAL HAZARDOUS COMPONENTS	%	ACQ- TLY	OSHA PE
7664-38-2	PHOSPHORIC ACID	15-20	1	1
111-76-2	*2-BUTOXYETHANOL (SEE OTHER PRECAUTIONS.)	5-15	1	1
	OTHER INGREDIENTS > OR = 3%:			
68610-43-5	LAUROAMPHODIPROPIONATE			
7732-18-5	WATER			
	REPORTABLE UNDER GHS TITLE III, SECTION 313			

SECTION III PHYSICAL DATA

APPEARANCE AND ODOR CLEAR LIQUID, BUTYL ODOR	pH VALUE 10.5-11.5	
SPECIFIC GRAVITY (H ₂ O=1) 1.10	PERCENT VOLATILE BY VOLUME (%) 85	REACTIVITY IN WATER None
BOILING POINT (°F) UNK	SOLUBILITY IN WATER 100%	VAPOR DENSITY (AIR=1) UNK
	VAPOR PRESSURE (mm Hg.) UNK	EVAPORATION RATE (---) = 1

SECTION IV - FIRE AND EXPLOSION DATA

SECTION 9 - FIRE AND EXPLOSION DATA										
FLASH POINT METHOD USED	>212°F, CCO	FLAMMABLE LIMITS	UPPER	UNK	LOWER	UNK	AUTO- IGNITION TEMP.	UNK	SPECIAL FIRE FIGHTING PROCEDURES	NONE
CONT			EXTINGUISHING MEDIA		NONE					
UNUSUAL FIRE AND EXPLOSION HAZARDS		NONE								

SECTION V - PHYSICAL HAZARDS

STABILITY UNSTABLE	STABLE X	CONDITIONS TO AVOID NONE
INCOMPATIBILITY (MATERIALS TO AVOID) STRONG ALKALIES, CHLORINE-TYPE BLEACHES, ALKALI METALS.		
HAZARDOUS DECOMPOSITION PRODUCTS THERMAL DECOMPOSITION MAY YIELD CARBON DIOXIDE, CARBON MONOXIDE, AND PHOSPHOROUS OXIDES.		
HAZARDOUS POLYMERIZATION WILL NOT OCCUR	WILL OCCUR X	CONDITIONS TO AVOID NONE

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE SEE SEC II	EFFECTS OF OVEREXPOSURE 1 INHALATION MAY CAUSE IRRITATION.	
2 EYES CAUSES IRRITATION. MAY CAUSE BURNS.	3 SKIN CAUSES IRRITATION.	
4 INGESTION HARMFUL.	CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN • NATIONAL TOXICOLOGY PROGRAM YES NO X	
EMERGENCY AND FIRST AID PROCEDURES	1. INHALATION MOVE TO FRESH AIR.	2. EYES FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.
3 SKIN FLUSH WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, CALL A PHYSICIAN. WASH CLOTHING BEFORE REUSE.	4. INGESTION DO NOT INDUCE VOMITING. GIVE VICTIM A GLASS OF WATER. CALL A PHYSICIAN IMMEDIATELY.	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED CONTAIN SPILL. DO NOT CONTAMINATE FOOD, FEED, OR WATER.	WASTE DISPOSAL METHOD WASTE CODE 13 ALL HAZ. WASTE LOCAL, STATE, AND FEDERAL REGULATIONS.
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SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) NONE REQUIRED	VENTILATION X	LOCAL EXHAUST	MEDICAL X	SPECIAL	OTHER
PROTECTIVE GLOVES RUBBER	EYE PROTECTION GOGGLES	OTHER NONE			

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTION TO BE TAKEN IN HANDLING AND STORING KEEP UNDER LOCKED STORAGE. SUFFICIENT TO BE INACCESSIBLE TO CHILDREN OR PERSONS UNFAMILIAR WITH ITS USE. DO NOT MIX WITH CHLORINE-TYPE BLEACHES OR OTHER CHEMICALS.
OTHER PRECAUTIONS CONTAINS 2-BUTOXYETHANOL, WHICH CAUSED HEMOLYSIS OF AND REPRODUCTIVE SOME SPECIES OF ANIMALS. IN HUMANS, THESE EFFECTS DID NOT OCCUR AT EXPOSURE LEVELS UP TO 200 PPM.