

SCHOOLCRAFT COLLEGE

CUSTOMER  
SEE  
REVERSE  
SIDE

18600 HAGGERTY  
ATTN: DIR. OF BLDGS/GROUNDS  
LIVONIA, MICHIGAN 48151

ADDITIONAL

MATERIAL SAFETY  
DATA SHEET

Huntington.

MSDS DATE 8/23/94  
PRODUCT NO. 102721  
INVOICE NO. 610783

DATE 11/05/94  
CUSTOMER NO. 300177

SECTION I - IDENTITY

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

SECTION II - HAZARDOUS INGREDIENTS

CAS NO.	PRINCIPAL HAZARDOUS COMPONENTS	%	ACGIH TLV	OS PE
7173-51-5	DIDECYL DIMETHYL AMMONIUM CHLORIDE	9.22	N/A	N/A
8001-54-5	N-ALKYL (C14 50%, C12 40%, C16 10%)	6.14	N/A	N/A
	DIMETHYL BENZYL AMMONIUM CHLORIDE			

SECTION III PHYSICAL DATA

APPEARANCE AND ODOR <b>GREEN LIQUID; FRESH ODOR</b>	pH VALUE <b>7.2-8.</b>		
SPECIFIC GRAVITY (H <sub>2</sub> O=1) <b>1.02</b>	PERCENT, VOLATILE BY VOLUME (%) <b>77</b>	REACTIVITY IN WATER <b>N/A</b>	EVAPORATION RATE (WATER = 1) <b>1</b>
BOILING POINT (°F.) <b>212</b>	SOLUBILITY IN WATER <b>100%</b>	VAPOR DENSITY (AIR=1) <b>&lt;1</b>	VAPOR PRESSURE (mm Hg.) <b>17.5 @</b>

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT METHOD USED <b>&gt;212F, TCC</b>	FLAMMABLE LIMITS UPPER <b>UNK</b>	LOWER <b>UNK</b>	AUTO-IGNITION TEMP. <b>UNK</b>	SPECIAL FIRE FIGHTING PROCEDURES <b>NONE</b>
CONT:		EXTINGUISHING MEDIA <b>N/A</b>		
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>NONE</b>				

SECTION V - PHYSICAL HAZARDS

STABILITY UNSTABLE	STABLE	CONDITIONS TO AVOID <b>NONE</b>	
INCOMPATIBILITY (MATERIALS TO AVOID) <b>NONE</b>			
HAZARDOUS DECOMPOSITION PRODUCTS FROM THERMAL DECOMPOSITION, CARBON MONOXIDE, CARBON DIOXIDE, AMMONIA, NITROUS OXIDE, HYDROGEN CHLORIDE.			
HAZARDOUS POLYMERIZATION	MAY OCCUR	WILL NOT OCCUR	CONDITIONS TO AVOID <b>NONE</b>

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE <b>SEE SEC II</b>	EFFECTS OF OVEREXPOSURE	1. INHALATION <b>NO ADVERSE REACTION EXPECTED.</b>		
2. EYES <b>CONCENTRATE CAUSES IRRITATION OR DAMAGE.</b>	3. SKIN <b>CONCENTRATE CAUSES SEVERE IRRITATION.</b>			
4. INGESTION <b>CONC. CAUSES IRRITATION OR BURNS TO THROAT OR STOMACH</b>	CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN	NATIONAL TOXICOLOGY PROGRAM YES NO <b>X</b>	I.A.R.C. MONOGRAPHS YES NO <b>X</b>	OSHA
EMERGENCY AND FIRST AID PROCEDURES	1. INHALATION <b>MOVE TO FRESH AIR.</b>			
2. EYES <b>IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN IMMEDIATELY.</b>				
3. SKIN <b>IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. CALL A PHYSICIAN.</b>				
4. INGESTION <b>PROMPTLY DRINK A LARGE QUANTITY OF WATER. AVOID ALCOHOL. CALL A PHYSICIAN IMMEDIATELY. NOTE TO PHYSICIAN: PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY SHOCK, RESPIRATORY DEPRESSION, AND CONVULSION MAY BE NEEDED.</b>				

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED <b>CONTAIN SPILL. DO NOT CONTAMINATE WATER, FOOD, OR FEED.</b>	WASTE DISPOSAL METHOD <b>OPEN DUMPING IS PROHIBITED. DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.</b>
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SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) <b>NONE REQUIRED</b>	VENTILATION	LOCAL EXHAUST	MECH	SPECIAL	OTHER
PROTECTIVE GLOVES <b>RUBBER</b>	EYE PROTECTION <b>GOGGLES-CONC.</b>	OTHER <b>SAFETY GLASSES - USE DILUTION. F SHIELD OPTIONAL FOR CONCENTRATE.</b>			

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTION TO BE TAKEN IN HANDLING AND STORING **KEEP UNDER LOCKED STORAGE SUFFICIENT TO MAKE IT INACCESSIBLE TO CHILDREN OR PERSONS UNFAMILIAR WITH ITS PROPER USE. THIS IS CATIONIC MATERIAL, ITS ACTIVITY IS REDUCED BY SOAPS OR ANIONICS.**

OTHER PRECAUTIONS **TRIPLE RINSE CONTAINERS. DO NOT REUSE EMPTY CONTAINERS. FOLLOW LABEL DIRECTIONS.**

CUSTOMER 18600 HAGGERTY  
SEE ATTN: DIR. OF BLDGS/GROUNDS  
REVERSE SIDE LIVONIA, MICHIGAN 48151

MATERIAL SAFETY DATA SHEET

DATE 7/23/92  
CUSTOMER NO. 300177  
MSDS DATE 10/01/92  
PRODUCT NO. 102721  
INVOICE NO. 952685

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CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS	
N/A	ASCEND	
CHEMICAL FAMILY	FORMULA	
GERMICIDAL DETERGENT	N/A	

SECTION II - HAZARDOUS INGREDIENTS

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SECTION III PHYSICAL DATA

APPEARANCE AND ODOR		GREEN LIQUID, SASSAFRAS ODOR					pH VALUE		7.0-8.0		
SPECIFIC GRAVITY (H <sub>2</sub> O=1)		1.02	PERCENT, VOLATILE BY VOLUME (%)		77	REACTIVITY IN WATER		N/A	EVAPORATION RATE (WATER = 1)	1	
BOILING POINT (°F.)		212	SOLUBILITY IN WATER		100%	VAPOR DENSITY (AIR=1)		<1	VAPOR PRESSURE (mm Hg.)		17.5

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT METHOD USED	>212F, TCC	FLAMMABLE LIMITS	UPPER	UNK	LOWER	UNK	AUTO-IGNITION TEMP.	UNK	SPECIAL FIRE FIGHTING PROCEDURES	NONE
CONT:				EXTINGUISHING MEDIA		N/A				
UNUSUAL FIRE AND EXPLOSION HAZARDS		NONE								

SECTION V - PHYSICAL HAZARDS

STABILITY	UNSTABLE		STABLE	X	CONDITIONS TO AVOID	NONE
INCOMPATIBILITY						
(MATERIALS TO AVOID) NONE						
HAZARDOUS DECOMPOSITION PRODUCTS FROM THERMAL DECOMPOSITION, CARBON MONOXIDE, CARBON DIOXIDE, AMMONIA, NITROUS OXIDE, HYDROGEN CHLORIDE.						
HAZARDOUS POLYMERIZATION	MAY OCCUR		WILL NOT OCCUR	X	CONDITIONS TO AVOID	NONE

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE		EFFECTS OF OVEREXPOSURE		SECTION II - HEALTH HAZARD DATA								
SEE SEC II		1. INHALATION		NO ADVERSE REACTION EXPECTED.								
2. EYES		CONCENTRATE CAUSES IRRITATION OR DAMAGE.			3. SKIN		CONCENTRATE CAUSES SEVERE IRRITATION.					
4. INGESTION		CONCENTRATE IS HARMFUL OR FATAL.			CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN		NATIONAL TOXICOLOGY PROGRAM		YES NO	I.A.R.C. MONOGRAPHS	YES NO	OSHA
									X		X	
EMERGENCY AND FIRST AID PROCEDURES		1. INHALATION										
		MOVE TO FRESH AIR.										
2. EYES		IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN IMMEDIATELY.										
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