

SCHOOLCRAFT COLLEGE

CUSTOMER 13600 HAGGERTY  
SEE REVERSE SIDE ATTN: DIR. OF BLDGS/GROUNDS  
LIVONIA, MICHIGAN 48151

MATERIAL SAFETY  
DATA SHEET

DATE 7/27/95

CUSTOMER NO. 300177

MSDS DATE 10/01/91

PRODUCT NO. 104417

INVOICE NO. 670133

Huntington.

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

N/A

CHEMICAL FAMILY

DISINFECTANT CLEANER AND DEODORANT

TRADE NAME AND SYNONYMS

TOR AEROSOL

FORMULA

N/A

SECTION II - HAZARDOUS INGREDIENTS

CAS NO.	PRINCIPAL HAZARDOUS COMPONENTS	%	ACGIH TLV	OSHA PEL
8001-54-5	N-ALKYL (C14 60%, C16 30%, C12 5%, C18 5%) DIMETHYL BENZYL AMMONIUM CHLORIDE	0.11	N/A	N/A
27479-28-3	N-ALKYL (C12 50%, C14 30%, C16 17%, C18 3%) DIMETHYL ETHYL BENZYL AMMONIUM CHLORIDE	0.11	N/A	N/A
106-97-8	BUTANE	1-10	800 PPM	300 PPM
74-98-6	PROPANE	1-10	N/A	1000 PPM
111-76-2	*2-BUTOXYETHANOL	1-10	25 PPM	25 PPM
*REPORTABLE UNDER SARA TITLE III, SECTION 313				

SECTION III PHYSICAL DATA

APPEARANCE AND ODOR		LIGHT YELLOW LIQUID/SPRAY, PLEASANT ODOR				pH VALUE		N/A	
SPECIFIC GRAVITY (H <sub>2</sub> O=1)		1.01	PERCENT, VOLATILE BY VOLUME (%)	UNK	REACTIVITY IN WATER	NONE	EVAPORATION RATE (B. ACETATE= 1)	<1	
BOILING POINT (°F.)		212	SOLUBILITY IN WATER	100%	VAPOR DENSITY (AIR=1)	<1	VAPOR PRESSURE (mm Hg.)	1.2	

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT METHOD USED	NONE, TCC	FLAMMABLE LIMITS	UPPER	N/A	LOWER	N/A	AUTO-IGNITION TEMP	N/A	SPECIAL FIRE FIGHTING PROCEDURES	COOL WITH WATER SPRAY PROTECT CONTAINERS
CONT: FROM BURSTING, VENTING, OR RUPTURING.			EXTINGUISHING MEDIA		WATER, DRY CHEMICAL, CARBON DIOXIDE ALCOHOL FOAM.					
UNUSUAL FIRE AND EXPLOSION HAZARDS		AT TEMPERATURES ABOVE 130F (54C) CONTAINERS MAY BURST, VENT, OR RUPTURE.								

SECTION V - PHYSICAL HAZARDS

STABILITY	UNSTABLE	STABLE	X	CONDITIONS TO AVOID	ELEVATED TEMPERATURES.
INCOMPATIBILITY (MATERIALS TO AVOID)	NONE				
HAZARDOUS DECOMPOSITION PRODUCTS	THERMAL DECOMPOSITION MAY YIELD CARBON DIOXIDE, CARBON MONOXIDE AND NITROGEN OXIDES.				

HAZARDOUS POLYMERIZATION	MAY OCCUR	WILL NOT OCCUR	X	CONDITIONS TO AVOID	NONE
--------------------------	-----------	----------------	---	---------------------	------

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	SEE SEC. II	EFFECTS OF OVEREXPOSURE	1. INHALATION	NO ADVERSE REACTION EXPECTED.	
2. EYES	MAY CAUSE EYE IRRITATION.			3. SKIN	MAY CAUSE SKIN IRRITATION. HARMFUL IF ABSORBED.
4. INGESTION	MAY BE HARMFUL.				
EMERGENCY AND FIRST AID PROCEDURES	1. INHALATION MOVE TO FRESH AIR.				
2. EYES	IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. CALL A PHYSICIAN IF IRRITATION PERSISTS.				
3. SKIN	FLUSH SKIN WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING. CALL A PHYSICIAN IF IRRITATION PERSISTS. WASH CLOTHING BEFORE REUSE.				
4. INGESTION	GIVE VICTIM A GLASS OF WATER. CALL A PHYSICIAN.				

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	DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
-----------------------------------------------------------	---------------------------------------------------------	-----------------------	--------------------------------------------------------------------------

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)	NONE REQUIRED.	VENTILATION	LOCAL EXHAUST	GEN. ROOM (MECH)	SPECIAL	OTHER
PROTECTIVE GLOVES	RUBBER	EYE PROTECTION	SAFETY GLASSES	OTHER	NONE	

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTION TO BE TAKEN IN HANDLING AND STORING STORE IN A COOL DRY AREA. KEEP AWAY FROM HEAT AND FLAMES. DO NOT PUNCTURE OR INCINERATE CONTAINERS. WASH THOROUGHLY AFTER USE. KEEP OUT OF REACH OF CHILDREN.

OTHER PRECAUTIONS CONTAINS 2-BUTOXYETHANOL, WHICH CAUSED HEMOLYSIS OF RED BLOOD CELLS IN SOME SPECIES OF ANIMALS. IN HUMANS, THESE BLOOD EFFECTS DID NOT OCCUR AT EXPOSURE LEVELS UP TO 200 PPM.