



QUICK IDENTIFIER

MATERIAL SAFETY DATA SHEET**SECTION I - IDENTITY**

MANUFACTURER'S NAME HUNTINGTON LABORATORIES, INC.		EMERGENCY TELEPHONE NO. 219/356-8100
ADDRESS (Number, Street, City, State, and Zip Code) 970 E. Tipton Street, Huntington, Indiana 46750		
CHEMICAL NAME AND SYNONYMS N/A		TRADE NAME AND SYNONYMS Turf Leader Crabgrass Herbicide Concentrat
CHEMICAL FAMILY Herbicide	FORMULA N/A	

SECTION II - HAZARDOUS INGREDIENTS

CAS NO.	PRINCIPAL HAZARDOUS COMPONENT(S)	%	TLV (Units)
1861-40-1	N-butyl-N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine	19.4	N/A

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	219	SPECIFIC GRAVITY (H ₂ O = 1)	0.93
VAPOR PRESSURE (mm Hg.)	16.5	PERCENT, VOLATILE BY VOLUME (%)	80
VAPOR DENSITY (AIR = 1)	1.06	EVAPORATION RATE (_____ = 1)	N/A
SOLUBILITY IN WATER	100%	REACTIVITY IN WATER	None
APPEARANCE AND ODOR	Clear yellow liquid, aromatic hydrocarbon odor		pH N/A

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (Method used)	76°F	FLAMMABLE LIMITS	LOWER	UPPER
EXTINGUISHING MEDIA	Water, CO ₂ or dry chemicals		N/A	
SPECIAL FIRE FIGHTING PROCEDURES	Wear full protective clothing and use self contained breathing apparatus.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	A flammable liquid. Emits toxic fumes when heated to decomposition.			

SECTION V - PHYSICAL HAZARDS

STABILITY	UNSTABLE	CONDITIONS TO AVOID
	STABLE	X N/A
INCOMPATIBILITY (Materials to avoid)	None	
HAZARDOUS DECOMPOSITION PRODUCTS	Toxic Fumes.	
HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID
	WILL NOT OCCUR	X N/A

SECTION VI - HEALTH HAZARD DATA					
THRESHOLD LIMIT VALUE N/A					
Effects of Overexposure					
1. Inhalation	May cause respiratory irritation.				
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 <input type="checkbox"/> No <input checked="" type="checkbox"/>	I.A.R.C. Monographs	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	OSHA Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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	Wash exposed areas with soap and water. Wash contaminate clothes before reuse.				
4. Ingestion	Induce vomiting either by tickling the back of the throat with a finger or blunt object. Contact a physician immediately.				

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Small spills may be cleaned up with a suitable absorbent material. Large spills due to traffic accidents should be reported immediately to CHEMTRE and ELAMO PRODUCTS COMPANY for assistance.	
WASTE DISPOSAL METHOD	
Large amounts to a sanitary landfill. Rinse empty containers. Do not reuse.	
Crush container for disposal.	

SECTION VII - SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type) None required.		
VENTILATION	LOCAL EXHAUST	X
	MECHANICAL (General)	
PROTECTIVE GLOVES Rubber		EYE PROTECTION Goggles
OTHER PROTECTIVE EQUIPMENT None required.		

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTION TO BE TAKEN IN HANDLING AND STORING	
Store above 40°F. Do not store near heat or flame.	
OTHER PRECAUTIONS	
Keep away from children.	

Prepared by Clem L. Harris Title Technical Service Director
 Signature Clem L. Harris Date May 2, 1986

Huntington®

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