



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 Vegetation Killer
CHEMICAL FAMILY Organic Herbicide	FORMULA N/A	

**SECTION II - HAZARDOUS INGREDIENTS**

CAS NO.	PRINCIPAL HAZARDOUS COMPONENT(S)	%	TLV (Units)
94-75-7	2,4-Dichlorophenoxyacetic acid isooctyl ester	1	N/A
8002-05-9	Petroleum oil	97	N/A
314-40-9	Bromacil (5-bromo-3-sec-butyl-6-methyloracil)	0.6	N/A

**SECTION III - PHYSICAL DATA**

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	0.80
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT, VOLATILE BY VOLUME (%)	97
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE (_____ = 1)	N/A
SOLUBILITY IN WATER	None	REACTIVITY IN WATER	Immiscible
APPEARANCE AND ODOR	Dark liquid, hydrocarbon odor	pH	N/A

**SECTION IV - FIRE AND EXPLOSION DATA**

FLASH POINT (Method used)	175°F COC	FLAMMABLE LIMITS	LOWER	UPPER
EXTINGUISHING MEDIA	Carbon dioxide, foam or dry chemical	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
	STABLE	X	N/A
INCOMPATIBILITY (Materials to avoid) N/A			
HAZARDOUS DECOMPOSITION PRODUCTS N/A			
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 Should not 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 Flush with flowing warm water using soap in a washing action.					
4. Ingestion Drink water or milk. Call a physician.					

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Contain with absorbent material.	
WASTE DISPOSAL METHOD	
Sanitary landfill approved for pesticides. See Label.	

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

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTION TO BE TAKEN IN HANDLING AND STORING	
Avoid contact with skin, eyes, and clothing.	
Remove and wash contaminated clothing before reuse. Do not contaminate water, feed, or food by storage or disposal. Toxic to fish and wildlife. See label for further recommendations. Keep in locked storage out of the reach of children.	

Prepared by Clem L. Harris Title Technical Service Director  
 Signature Clem L. Harris Date May 5, 1986



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