



MATERIAL SAFETY DATA SHEET

QUICK IDENTIFIER

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 Tipton Street, Huntington, Indiana 46750	
CHEMICAL NAME AND SYNONYMS N/A	TRADE NAME AND SYNONYMS Turf Leader Northern Broadleaf Concentrat
CHEMICAL FAMILY Weed Killer	FORMULA N/A

SECTION II - HAZARDOUS INGREDIENTS			
CAS NO.	PRINCIPAL HAZARDOUS COMPONENT(S)	%	TLV (Units)
94-75-7	Dimethylamine Salt of 2,4-Dichlorophenoxyacetic acid	8	N/A
93-65-2	Dimethylamine Salt of 2-(2-methyl-4-chlorophenoxy) propionic acid	4	N/A
1982-69-0	Dimethylamine Salt of dicamba (3,6-dichloro-o-anisic acid)	1	N/A

SECTION III - PHYSICAL DATA			
BOILING POINT (°F.)	212	SPECIFIC GRAVITY (H ₂ O = 1)	1.03
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT, VOLATILE BY VOLUME (%)	86
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE (_____ = 1)	N/A
SOLUBILITY IN WATER	Complete	REACTIVITY IN WATER	None
APPEARANCE AND ODOR	Light amber liquid, phenolic odor	pH	8.0

SECTION IV - FIRE AND EXPLOSION DATA			
FLASH POINT (Method used) None	FLAMMABLE LIMITS	LOWER	UPPER
EXTINGUISHING MEDIA N/A	AUTO-IGNITION TEMPERATURE N/A		
SPECIAL FIRE FIGHTING PROCEDURES N/A			
UNUSUAL FIRE AND EXPLOSION HAZARDS N/A			

SECTION V - PHYSICAL HAZARDS			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	N/A
INCOMPATIBILITY (Materials to avoid) Acids			
HAZARDOUS DECOMPOSITION PRODUCTS Carbon derivatives			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	N/A

**Turf Leader Northern Broadleaf
Concentrate**

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 ☐ No ☒	I.A.R.C. Monographs Yes ☐ No ☒
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. If irritation persists, call a physician.		
3. Skin	Flush with flowing water.		
4. Ingestion	Drink water or milk.		

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Flush with water. Mop or absorb large quantities.	
WASTE DISPOSAL METHOD	
Large quantities to landfill	

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

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTION TO BE TAKEN IN HANDLING AND STORING	
Avoid contamination of food or feed stuffs. Do not apply directly to water.	
Keep from freezing. Store in original container in a locked storage area	
OTHER PRECAUTIONS	
inaccessible to children. See product label. Do not reuse empty container.	

Prepared by Clem L. Harris Title Technical Service Manager
 Signature *Clem L. Harris* Date 5/5/86



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