

Innovative Crop Solutions	MATERIAL	SAFETY DATA SHE	ET				
	SECTION 1 – PROI	DUCT IDENTIFICATION AND	USE Page 1 of 3				
PRODUCT VIT. IDENTIFIER:	AL MANGANESE (Mn))					
	elating agent, plant nutrient pliments						
SUPPLIER'S NAME:	Greentek Fertilizer Inc.						
ADDRESS: 202-27090,Glo Adergrove,BC V4W 3Y5, Ca							
IN CASE OF EMERGENCY:							
	SECTION 2 – HA	AZARDOUS INGREDIENTS					
HAZARDOUS INGREDIENTS CAS #		LD ₅₀ OF INGREDIENT (SPECIFY SPECIES & ROUTE)					
Manganese (Mn) EDTA	Manganese (Mn) EDTA 158375-84-5		LD ₅₀ (rat, oral) greater than 2000 mg/kg				
	SECTION	3 – PHYSICAL DATA					
PHYSICAL STATE:	Liquid	ODOUR & APPEARANCE	Dark brown liquid				
ODOUR THRESHOLD (ppm):	NAV	VAPOUR PRESSURE (mmHg):	NAV				
VAPOUR DENSITY (air=1):	NAP	SPECIFIC GRAVITY:	1.15 g/ml				
рН:	6.5	MELTING POINT RANGE (°C)	NAP				
FREEZING POINT (°C) NAV		EVAPORATION RATE:	NAP				
COEFF. WATER/OIL DIST	NAV	SOLUBILITY (in water):	Soluble				
	SECTION 4 – FII	RE AND EXPLOSION DATA					
FLAMMABLE: Not flar	nmable or combustible.						
IF YES, UNDER WHAT CONDITIONS?		e at room temperature & atmospheric pribute any unusual hazards.	pressure. When involve in fire,				
MEANS OF Use v	vater dry chemical, fog, f	foam, CO2.					
		sure to fire, smoke, fumes or products quipment and evacuate non-essential p	•				
DECOMPOSITION TEMPERATURE (°C):	> 260°C (500°F)	AUTOIGNITION TEMPERATURE (°C)	NAV				
LOWER FLAMMABLE LIMIT (% by volume):	NAP	UPPER FLAMMABLE LIMIT (% by volume):	NAP				
SENSITIVITY TO IMPACT:	No evidence	SENSITIVITY TO STATIC DISCHARGE:	No evidence				

NAP: Not applicable NAV: Not available

		N	MATERIA	L S	AFETY	DATAS	HEE	T	Pa	ı g e 2 d) f 3
HAZARDOUS COMBUSTION PRODUCTS:		N NAV	HAZARDOUS POLYMERIZAT			Hazardous polymerization is not expected to occur under normal temperatures and procedures.					
			SECTI	ON 5 -	- REACTIVI	ΓΥ DATA	,				
CHEMICAL STABILITY:	Stable under normal conditions. Not selt reacting and is not sensitive to physical impact										
INCOMPATIBILITY	': n	night			Layered on hot surface nged storage at high CORROSIVE BEHAVIOUR: NAV						
REACTIVITY ANI CONDITIONS:				This p	roduct is stable	at ambient ten	nperatures	and at	mospheri	c press	ures.
HAZARDOUS DEC PRODUCTS:	COMP	OSIT	TION		fire conditions O ₂ , nitrogen ox			and de	ecompose	es to gi	ve
		5	SECTION 6 – 7								
ROUTES OF ENTE	RY:										
SKIN CONTACT:	Yes	SKI ABS	N SORPTION:	Yes	EYE CONTACT:	Yes	INHAL ATION:	Yes	INGEST	TION:	Yes
EFFECTS OF ACUTE EXPOSURE TO PRODUCT:											
INGESTION:	NGESTION: Excessive ingestion must occur before any health hazard results. Effects of over-exposure may include nausea, vomiting, diarrhea, weakness or convulsions. Seek medical help immediately.										
INHALATION:	Avoid inhalation. Exposure to an excessive concentration of dust may cause respiratory track irritation.										
EYE CONTACT:	E CONTACT: May cause eye irritation. Flush eyes with plenty of running water. Seek medical attention if irritation persists.										
SKIN CONTACT:			onged or repeated		•						l .
OTHERS:	Excessive exposure to Manganese (Mn) by ingestion or inhalation can lead Manganese (Mn) accumulation in specific portion of the brain and a central nervous syndrome called "MANGANISM", which has clinical signs similar to those of Parkinson's disease.										
EFFECTS OF CHR damage.	ONIC	EXP	POSURE: Based	on some	e animal data m	aterial contain	in the pro	duct m	ay cause	target (organ
CARCINOGENICI	TY:		Not classify as c suspected carcin	_	gen or MUI	AGEN CITY:	No evide	ence			
REPRODUCTIVE HAZARD:			No known signi	ficant e	ffects TERA	ATOGENICITY:	No know critical h	_	ificant ef	fects or	•
IRRITANCY:			Yes		SENS	SITIZATION:	Yes				
SYNERGISTIC PRO	DUCTS	S:	NAV								
			SECTI	ON 7 -	– PREVENTI	VE MEASU	RES				
PERSONAL PROT EQUIPMENT:	ECTI	VE	and face si Eyes: Wes generation	hield if ar safety is poss		is possible. approved stand			-		
	Foot Wear: Impervious safety boots. Clothing's: Wear coveralls with an impervious apron to protect street clothing. Respirator: A NIOSH or MSHA approved respirator should be worn when dust levels exceed 15 mg/m ³ .										

M A	TERIAL SAFETY DATA SHEET Page 3 of 3					
ENGINEERING CONTROLS:	Ventilate to control dust. Keep good housekeeping.					
HANDLING PROCEDURES:	Use containment whenever possible and personal protective equipment where splashing or potential for contact exists. Workers should wash hand and face before eating, drinking or smoking.					
STORAGE REQUIREMENTS:	Keep containers close and store in cool, dry place away from heat sources. Isolate from strong oxidizers and avoid contact with aluminum. Avoid direct and prolonged contact with skin. Keep separate from incompatible materials.					
LEAK AND SPILL PROCEDURE:	Sweep, shovel or vacuum into sealable waste containers. Flush area with plenty of water. Prevent contamination of sewers, streams, lakes, ponds and domestic waterways. Ventilate area of spill or leak.					
WASTE DISPOSAL:	Dispose in compliance with government requirements and local disposal regulations.					
	SECTION 8 – FIRST AID MEASURES					
INHALATION:	Move victim to fresh air. Oxygen may be given under doctor's advice. If victim has irregular or difficulty or under respiratory arrest seek medical attention immediately. If other conditions or symptoms develop contact a physician.					
SKIN CONTACT:	Remove contaminated clothing. Wash affected area with water for fifteen (15) minutes. Do not attempt to neutralize with chemical agents. Obtain medical attention if irritation or redness persists.					
EYE CONTACT:	Flush eyes thoroughly while holding upper and lower eye lids for a minimum of 15 minutes. Obtain medical attention if symptoms or condition persists. DO Not let victim rub eyes.					
INGESTION:	Call physician immediately. If victim is conscious, rinse mouth and give water to drink. Never give anything by mouth to an unconscious person. Only induce vomiting on the instructions of doctor.					
SEC'	TION 9 – DEPARTMENT OF TRANSPORTATION					
SHIPPING INFORMATION						
US and Canada: Not regulated						
International Shipping: Not regulated						
TDG: Not regulated.						
IATA: Not regulated						
SEC	CTION 10 – PREPARATION DATE OF MSDS					
PREPARED BY: Greentek Fertilizer	Inc. ADDITIONAL INFORMATION:					
202-27090,Gloucester Way	At the time of preparation, the information and data contained in					
Adergrove,BC	this MSDS are believed to be accurate and have been compiled					
V4W 3Y5, Canada from sources that are believed to be reliable.						
BUSINESS NUMBER: 1 (604) 857	0300					

DATE: October, 2015