

SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: SUPER POTATO 4-9-15	
PRODUCT USE: Foliar Fertilizer	
MANUFACTURER'S NAME: Greentek Fertilizer Inc.	SUPPLIER'S NAME: Same as manufacturer
ADDRESS: 202-27090, Gloucester Way Adergrove, BC V4W 3Y5, Canada	ADDRESS: Same as manufacturer

IN CASE OF EMERGENCY: 1 (604) 857 0300

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES & ROUTE)
Ammonium Nitrate	6484-52-2	LD ₅₀ rat oral 2217 mg/kg
Ammonium Sulphate	10377-60-3	LD ₅₀ (rat, oral) 5,440 mg/kg
Mono Potassium Phosphate	7778-77-0	LD ₅₀ (rat, acute oral) 4640 mg/kg LD ₅₀ (rabbit, dermal) 4640 mg/kg
Potassium Nitrate	7757-79-1	LD ₅₀ (Oral, rabbit) 1901 mg/kg LD ₅₀ (Oral, rat) 3750 mg/kg
Zinc (Zn) EDTA	12519-36-7	LD ₅₀ (mouse, oral) 2000-5000 mg/kg
Sodium Borate	10043-35-3	LD ₅₀ (rat, oral) 2660 mg/kg

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE:	Liquid	ODOUR & APPEARANCE	Slight odor, Brown liquid
ODOUR THRESHOLD (ppm):	NAV	VAPOUR PRESSURE (mm Hg):	NAV
VAPOUR DENSITY (air=1):	NAV	SPECIFIC GRAVITY:	1.18g/cm ³
pH:	6.5 – 7.5	BOILING POINT (°C)	>100 °C
FREEZING POINT (°C)	NAV	EVAPORATION RATE:	NAV
COEFF. WATER/OIL DIST	NAV	SOLUBILITY (in water):	Soluble in water

SECTION 4 – FIRE AND EXPLOSION DATA

FLAMMABLE: The product is not flammable.			
IF YES, UNDER WHAT CONDITIONS?		Even though product is not combustible, it can contribute to combustion as a source of fuel.	
MEANS OF EXTINCTION:		Water, Fog, Foam, Dry Chemical, CO ₂	
SPECIAL PROCEDURES:		If possible remove containers from fire area without risk. Spray water from as far a distance as possible.	
FLASHPOINT (°C) & METHOD:	NAV	AUTO IGNITION TEMPERATURE (°C)	NAV
LOWER FLAMMABLE LIMIT (% V):	NAV	UPPER FLAMMABLE LIMIT (% by volume):	NAV

MATERIAL SAFETY DATA SHEET

SENSITIVITY TO IMPACT:	Some evidence	SENSITIVITY TO STATIC DISCHARGE:	No evidence
HAZARDOUS COMBUSTION PRODUCTS:	Potassium nitrate, nitrogen oxides, potassium peroxide, ammonia, phosphorus and sulfur oxides, phosphine, carbon monoxide and dioxide, boron oxides.		

SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY:	Stable at room temperature in closed containers and under normal storage and handling conditions.		
INCOMPATIBILITY:	Strong acids and alkalis, oxidizing agents, reducing agents, zirconium, alkali esters, dimethyl formamide, metallic salts.	CORROSIVE BEHAVIOUR:	Mildly corrosive to aluminum.
REACTIVITY AND UNDER WHAT CONDITIONS:	Keep away from ignition sources, shock, water/moisture, heat and incompatible materials.		
HAZARDOUS DECOMPOSITION PRODUCTS:	Please see Hazardous combustion products.		

SECTION 6 – TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY:									
SKIN CONTACT:	Yes	SKIN ABSORPTION:	Yes	EYE CONTACT:	Yes	INHALATION:	Yes	INGESTION:	Yes

EFFECTS OF ACUTE EXPOSURE TO PRODUCT:	
INGESTION:	Abdominal pain, nausea, blue lips, fingernails and skin, diarrhea, headache, and weakness. Ingestion of large quantities may result in convulsions, unconsciousness and death.
INHALATION:	Repeated exposure to this product can cause respiratory track irritation. Can cause acute pulmonary edema.
EYE CONTACT:	May cause eye irritation.
SKIN CONTACT:	Contact with skin may cause skin irritation.

EFFECTS OF CHRONIC EXPOSURE:			
Chronic exposure to this product may result in liver and kidney damage. Symptoms of chronic exposure include weakness, depression, headache, and mental impairment, loss of appetite, weight loss, vomiting, mild diarrhea, skin rash, hair loss, convulsions, anemia, nose bleeds and shortness of breath.			
CARCINOGENICITY:	No evidence	MUTAGENICITY:	No evidence
REPRODUCTIVE HAZARD:	No evidence	TERATOGENICITY:	No evidence
IRRITANCY:	Mild irritancy	SENSITIZATION:	Possible skin reddening if not washed off affected area.
SYNERGISTIC PRODUCTS:	NAV		

SECTION 7 – PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	<p>Hands wear: water resistant rubber type gloves (latex, nitrile, PVC).</p> <p>Respirator: wear- NIOSH approved dust filter cartridge to remove spray dust where dust is visually airborne.</p> <p>Eye: wear goggles.</p> <p>Foot: wear work boot/rubber boots.</p> <p>Clothing: Long sleeve and pants. No special clothing required.</p>
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ENGINEERING CONTROLS:	General mechanical ventilation is adequate.
HANDLING PROCEDURES:	Do not handle unless safety precaution have been read and understood, avoid eye and skin contact. Avoid inhalation of vapours. Use containment whenever possible and personal protective equipment where potential for splashing exists. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking or smoking.
STORAGE REQUIREMENTS:	Should be stored in its original containers in a cool dry location to minimize product expansion and possible leakage
LEAK AND SPILL PROCEDURE:	Ventilate area of spill or leak. Remove all sources of ignition. Wear appropriate personal protective equipment. Keep unnecessary and unprotected personnel from entering. Contain and recover spilled material where possible into containers for later disposal.
WASTE DISPOSAL:	Dispose of this product as an industrial fertilizer. Reclaim waste where possible. Dispose of insalvagable waste as required by applicable federal, state, and local regulations. Contact your supplier or a licensed chemical waste disposal contractor for treatment and disposal services

SECTION 8 – FIRST AID MEASURES

INHALATION:	Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped, assist breathing with oxygen. Obtain medical assistance immediately.
SKIN CONTACT:	Thoroughly wash the affected area with mild soap and water for fifteen (15) minutes. Seek medical attention if irritation persists.
EYE CONTACT:	Flush eyes, including under the eyelids, with clean running water for at least fifteen (15) minutes. Seek medical attention if irritation persists.
INGESTION:	Do not attempt to give anything by mouth to unconscious victim. If victim is alert and not convulsing, rinse mouth and give water to dilute material. Do induce vomiting without physician's direction. If vomiting occurs, have victim lean forward with head down to avoid breathing in vomit, rinse mouth. Obtain medical attention immediately.

SECTION 9- DEPARTMENT OF TRANSPORTATION

SHIPPING INFORMATION

US and Canada: Not regulated
International Shipping: Not regulated
TDG: Not regulated.
IATA: Not regulated

SECTION 10 – PREPARATION DATE OF MSDS

PREPARED BY: Greentek Fertilizer Inc. 2202-27090, Gloucester Way Adergrove, BC V4W 3Y5, Canada	ADDITIONAL INFORMATION: At the time of preparation, the information and data contained in this MSDS are believed to be accurate and have been compiled from sources that are believed to be reliable
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BUSINESS NUMBER: 1 (604) 857 0300

DATE: November, 2015