



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT IDENTIFICATION AND USE

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**PRODUCT IDENTIFIER:** SUPER POTATO 4-9-15

**PRODUCT USE:** Foliar Fertilizer

**MANUFACTURER'S NAME:** AgrisolManufacturing Inc    **SUPPLIER'S NAME:** Same as manufacturer

**ADDRESS:** 220 – 7565, 132 Street,  
Surrey, BC, V3Z 1K7  
Canada

**ADDRESS:** Same as manufacturer

**IN CASE OF EMERGENCY:** 1(604) 805-2417

## **SECTION 2 – HAZARDOUS INGREDIENTS**

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

## SECTION 3 – PHYSICAL DATA

<b>PHYSICAL STATE:</b>	Liquid	<b>ODOUR &amp; APPEARANCE</b>	Slight odor, Brown liquid
<b>ODOUR THRESHOLD (ppm):</b>	NAV	<b>VAPOUR PRESSURE (mm Hg):</b>	NAV
<b>VAPOUR DENSITY (air=1):</b>	NAV	<b>SPECIFIC GRAVITY:</b>	1.18g/cm <sup>3</sup>
<b>pH:</b>	6.5 – 7.5	<b>BOILING POINT (°C)</b>	>100 °C
<b>FREEZING POINT (°C)</b>	NAV	<b>EVAPORATION RATE:</b>	NAV
<b>COEFF. WATER/OIL DIST</b>	NAV	<b>SOLUBILITY (in water):</b>	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<sub>2</sub>

**SPECIAL PROCEDURES:** If possible remove containers from fire area without risk. Spray water from as far a distance as possible.

<b>FLASHPOINT (°C) &amp; METHOD:</b>	NAV	<b>AUTO IGNITION TEMPERATURE (°C)</b>	NAV
<b>LOWER FLAMMABLE LIMIT (% V):</b>	NAV	<b>UPPER FLAMMABLE LIMIT (% by volume):</b>	NAV

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

## SECTION 5 – REACTIVITY DATA

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

## SECTION 6 – TOXICOLOGICAL PROPERTIES

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

<b>CARCINOGENICITY:</b>	No evidence	<b>MUTAGENICITY:</b>	No evidence
<b>REPRODUCTIVE HAZARD:</b>	No evidence	<b>TERATOGENICITY:</b>	No evidence
<b>IRRITANCY:</b>	Mild irritancy	<b>SENSITIZATION:</b>	Possible skin reddening if not washed off affected area.
<b>SYNERGISTIC PRODUCTS:</b>	NAV		

## SECTION 7 – PREVENTIVE MEASURES

<b>PERSONAL PROTECTIVE EQUIPMENT:</b>	<b>Hands</b> wear: water resistant rubber type gloves (latex, nitrile, PVC). <b>Respirator:</b> wear- NIOSH approved dust filter cartridge to remove spray dust where dust is visually airborne. <b>Eye:</b> wear goggles. <b>Foot:</b> wear work boot/rubber boots. <b>Clothing:</b> Long sleeve and pants. No special clothing required.
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<b>ENGINEERING CONTROLS:</b>	General mechanical ventilation is adequate.
<b>HANDLING PROCEDURES:</b>	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.
<b>STORAGE REQUIREMENTS:</b>	Should be stored in its original containers in a cool dry location to minimize product expansion and possible leakage
<b>LEAK AND SPILL PROCEDURE:</b>	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.

<b>WASTE DISPOSAL:</b>	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
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## SECTION 8 – FIRST AID MEASURES

<b>INHALATION:</b>	Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped, assist breathing with oxygen. Obtain medical assistance immediately.
<b>SKIN CONTACT:</b>	Thoroughly wash the affected area with mild soap and water for fifteen (15) minutes. Seek medical attention if irritation persists.
<b>EYE CONTACT:</b>	Flush eyes, including under the eyelids, with clean running water for at least fifteen (15) minutes. Seek medical attention if irritation persists.
<b>INGESTION:</b>	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

<b>SHIPPING INFORMATION</b>
<b>US and Canada:</b> Not regulated
<b>International Shipping:</b> Not regulated
<b>TDG:</b> Not regulated.
<b>IATA:</b> Not regulated

## SECTION 10 – PREPARATION DATE OF MSDS

<b>PREPARED BY:</b> Agrisol Manufacturing Inc. 220 – 7565, 132 Street, Surrey, BC, V3Z 1K7 Canada	<b>ADDITIONAL INFORMATION:</b> 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
<b>BUSINESS NUMBER:</b> 604-805-2417	
<b>DATE:</b> November, 2015	