

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT IDENTIFICATION AND USE

<b>PRODUCT IDENTIFIER:</b>	Blossom Blaster		
<b>PRODUCT USE:</b>	Flower Inducing Fertilizer	<b>WHMIS CLASSIFICATION:</b>	Class D2-B
<b>MANUFACTURER'S NAME:</b>	Grotek Manufacturing Inc.	<b>SUPPLIER'S NAME:</b>	Same as manufacturer
<b>ADDRESS:</b>	284,505 8840 210 <sup>th</sup> Street, Langley, BC V1M 2Y2	<b>ADDRESS:</b>	Same as manufacturer
<b>IN CASE OF EMERGENCY:</b>	(604) 882-7686		

## SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS #	LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES)
Mono Potassium Phosphate	90-98	7778-77-0	Rat Oral 4 640 mg / Kg	NAV

## SECTION 3 – PHYSICAL DATA

<b>PHYSICAL STATE:</b>	Pink powder	<b>ODOUR &amp; APPEARANCE</b>	Odorless Pink colored powder
<b>ODOUR THRESHOLD (ppm):</b>	No odor	<b>VAPOUR PRESSURE (mmHg):</b>	NAP
<b>VAPOUR DENSITY (air=1):</b>	NAP	<b>SPECIFIC GRAVITY:</b>	NAP
<b>pH:</b>	5.5 (0.012g/100ml of distilled water)	<b>BOILING POINT (°C)</b>	NAP
<b>FREEZING POINT (°C)</b>	NAV	<b>EVAPORATION RATE:</b>	NAP
<b>COEFF. WATER/OIL DIST</b>	NAV	<b>SOLUBILITY (in water):</b>	Soluble in water

## SECTION 4 – FIRE AND EXPLOSION DATA

<b>FLAMMABLE:</b>	NAP		
<b>IF YES, UNDER WHAT CONDITIONS?</b>	Even though product is not combustible, it can contribute to combustion as a source of fuel.		
<b>MEANS OF EXTINCTION:</b>	Water, Fog, Foam, Dry Chemical, CO <sub>2</sub>		
<b>SPECIAL PROCEDURES:</b>	If possible remove containers from fire area without risk. Spray water from as far a distance as possible.		
<b>FLASHPOINT (°C) &amp; METHOD:</b>	NAP	<b>AUTOIGNITION TEMPERATURE (°C)</b>	NAP
<b>LOWER FLAMMABLE LIMIT (% by volume):</b>	NAP	<b>UPPER FLAMMABLE LIMIT (% by volume):</b>	NAP
<b>SENSITIVITY TO IMPACT:</b>	Some evidence	<b>SENSITIVITY TO STATIC DISCHARGE:</b>	No evidence
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Potassium oxide, Phosphorous oxides, Phosphene, Chlorine, Ammonia, Nitrogen Oxides, Carbon Oxides, Sulfur 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>	Oxidizable substances, powdered metals, ammonia, hydrazine, reducing agents, strong acids and bases, alkyl esters, dimethyl formamide, methenamine, ethoxyethynyl alcohols, magnesium and chlorine trifluoride.	<b>CORROSIVE BEHAVIOUR:</b>	Corrosive
<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.		

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## SECTION 6 – TOXICOLOGICAL PROPERTIES

**ROUTES OF ENTRY:**

<b>SKIN CONTACT:</b>	YES	<b>SKIN ABSORPTION:</b>	Yes	<b>EYE CONTACT:</b>	YES	<b>INHALATION:</b>	NO	<b>INGESTION:</b>	YES
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**EFFECTS OF ACUTE EXPOSURE TO PRODUCT:**

**INGESTION:** Ingestion of large amounts may cause gastrointestinal irritation characterized by abdominal cramps, nausea, vomiting and bloody diarrhea. Ingestion may also cause headaches, laboured breathing, confusion, dizziness, convulsions and collapse. Other symptoms may include blue lips or fingernails and blue skin. The product may also cause effects on the blood resulting in the formation of methaemoglobin.

**INHALATION:** NAP

**EYE CONTACT:** Can cause eye irritation

**SKIN CONTACT:** Contact with skin may cause skin irritations

**EFFECTS OF CHRONIC EXPOSURE:** NAV

**EXPOSURE STANDARDS:**

COMPOUND:	STANDARD:	REGULATORY AGENCY:
Mono Potassium Phosphate	NAV	NAP
Thiamin HCl	NAV	NAP
<b>CARCINOGENICITY:</b>	No evidence	<b>MUTAGENICITY:</b> NAV
<b>REPRODUCTIVE HAZARD:</b>	No	<b>TERATOGENICITY:</b> No
<b>IRRITANCY:</b>	Mild irritancy	<b>SENSITIZATION:</b> Possible skin rending if not washed off affected area
<b>SYNERGISTIC PRODUCTS:</b>	NAV	

## SECTION 7 – PREVENTIVE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** **Hands wear:** water resistant rubber type gloves (latex, nitrile, PVC). **Respirator:** wear- NIOSH approved dust filter cartridge to remove dust where dust is visually airborne, **Eye** – wear goggles, **Foot-wear** work boot/rubber boots, **Clothing** – Long sleeve and pants - no special clothing required.

**ENGINEERING CONTROLS:** General mechanical ventilation is adequate, minimize dust generation.

**HANDLING PROCEDURES:** Do not handle unless safety precaution have been read and understood, avoid eye and skin contact. Avoid inhalation of dust or vapours. Do not puncture, drag or slide container.

**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:** Cleanup personnel should wear personal protective equipment as necessary to prevent skin/eye contact. Place into suitable container for reclamation or disposal. Damp mop any residues

**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 licenced chemical waste disposal contractor for treatment and disposal services

**SHIPPING INFORMATION:** Not regulated by TDG

**SECTION 8 – FIRST AID MEASURES**

<b>INHALATION:</b>	Move victim to fresh air. Give artificial respiration <b>ONLY</b> 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 not induce vomiting. If vomiting occurs, have victim lean forward with head down to avoid breathing in vomit, rinse mouth. Obtain medical attention immediately.

**SECTION 9 – PREPARATION DATE OF MSDS**

<b>PREPARED BY:</b> Grotek Manufacturing Inc.	<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> 604-882-7686	
<b>DATE:</b> November 18th, 2005	