MATERIAL SAFETY DATA SHEET
MOONSHINE PARK FARM
PHANTASIA, PART ONE
10/10/10

SECTION 1: MATERIAL IDENTIFICATION

Product Name: Phantasia, Part 1.
Chemical Family: Phosphates and aqueous solution of inorganic minerals.
Product Use: Soil applied plant nutrient.
Manufactured by: Moonshine Park Farm, 718 Moonshine Park Road, PO Box 79, Logsden, OR 97357, (541) 444-2298.

SECTION 2: INGREDIENTS AND COMPOSITION INFORMATION

Ingredients: Phantasia is derived from the following classical plant food materials:

Chemical Names and Synonyms	C.A.S. No.	Chemical Formula	Weight %
Potassium Phosphate, Monobasic; MKP.	7778-77-0	KH_2PO_4	7.69
Magnesium Sulfate, Heptahydrate; Epsom Salt.	10034-99-8	$MgSO_4.7H_2O$	8.11
Boric Acid	10043-35-3	H_3BO_3	0.057
Copper Sulfate, Pentahydrate; Blue Vitriol.	7758-99-8	$CuSO_4.5H_2O$	0.009
Manganese Sulfate, Monohydrate	10034-96-5	$MnSO_4.H_2O$	0.1
Sodium Molybdate, Dihydrate	10102-40-6	$Na_2MoO_4.2H_2O$	0.0042
Zinc Sulfate, Heptahydrate	7446-20-0	$ZnSO_4.7H_2O$	0.088

SECTION 3: HAZARDS IDENTIFICATION

Potential Acute Health Effects: Irritant eye, slight irritant skin, cathartic by ingestion, of inhalation(lung Irritant).
Potential Chronic Health Effects: None known.

SECTION 4: FIRST AID MEASURES

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with water for at least 15 minutes. Get medical attention.
Skin Contact*:* Phantasia concentrate is slightly (pH 3.8) acidic and may be mildly irritating on prolonged contact. Prompt soap and water washing of contacted skin recommended.
Ingestion:
Phantasia contains 3.78 mM Magnesium per 10 mL concentrate as Epsom Salt. Ingestion may be cathartic, causing nausea and diarrhea.
Phantasia also contains 3.25 mM Phosphate per 10 mL concentrate which after chronic oral ingestion, may sequester Calcium and cause Calcium Phosphate deposits in the kidneys.
Inhalation:
Inhalation of aerosolized **Phantasia** concentrate may cause lung irritation, coughing and shortness of breath. Remove victim from exposure and seek prompt medical attention.

SECTION 5: FIRE AND EXPLOSION DATA

Flammability classification: Non flammable nor supports combustion.
Auto-ignition Temperature: None.
Flash Point: None.
Flammable limits: None.
Products of Combustion: None.
Fire and Explosion Hazards in Presence of Various Substances: Not applicable.
Fire Fighting Media and Instructions: Not applicable.
Special Remarks on Fire Hazards: Not available.
Special Remarks on Explosion Hazards: Not available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill: Mop and water rinse. Save waste for landscape and tree fertilization.
Large Spill: Dike area and maximize recovery. Shop vacuum, water rinse area and recycle waste, appropriately diluted, for tree fertilization.

SECTION 7: HANDLING AND STORAGE

Precautions:
Mild irritant. Do not breathe aerosolized concentrate. Mildly irritating to skin on prolonged contact.
Storage:
No specific storage is required. Use sturdy shelves or cabinets built to bear the weight of the material. Do not strain to reach the material.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use process enclosures or other engineering controls to keep spilled liquid contained.
Ventilation Protection: Maintain adequate ventilation in workplace.
Respiratory Protection: None required under normal conditions.
Protective Clothing: Normal work clothing and liquid impervious gloves.
Eye Protection: Safety glasses with side shields or chemical splash-proof goggles.
Other: Eyewash fountain and safety shower in work area.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Physical state and appearance: Clear, very slightly greenish-blue tinged liquid.
Odor: No odor.
Taste: Not available.
Color: Very slightly greenish-blue.
pH: 3.8
Boiling Point: Not available.
Melting Point: Not available.
Critical Temperature: Not available.
Specific Gravity: 9.18 LBS per Gallon
Vapor Pressure: Not available.
Vapor Density: Not available.
Volatility: Not available.
Odor threshold: Not available.

Water/Oil Distribution Coefficient: Not available.
Ionicity (in water): Not available.
Dispersion Properties: See solubility in water.
Solubility: Completely soluble in water.

SECTION 10: STABILITY and REACTIVITY DATA

Stability: The product is stable.
Instability Temperature: Not available.
Conditions of instability: Not available.
Incompatibility with various substances: Not available.
Corrosivity: Non–corrosive in plastic or glass.
Special Remarks on Reactivity: Not available.
Special Remarks on Corrosivity: Not available.
Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Route of Entry: Eye contact. Inhalation. Ingestion.
Toxicity to Animals: LD50 not available. LC50 not available.
Chronic Effects on Humans: Not available.
Other Toxic Effects on Humans: Eye irritant. Mild skin irritant. Cathartic if ingested. Irritant if inhaled.
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on Toxic Effects on Humans: Not available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Contains Boron, Phosphate and Zinc. Do not allow entry into streams or watershed.
Products of Biodegradation: Product is plant food; contains plant nutrients.
Toxicity of the Products of Biodegradation: No further biodegradation nor toxicity anticipated.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: This product and its spent solutions, when suitably diluted, are expected to be recycled into useful landscape and tree plantings.

SECTION 14: TRANSPORT INFORMATION

DOT Classification: Not a DOT controlled material.
Identification: Not applicable.
Special Provisions for Transport: Not applicable.

SECTION 15: OTHER REGULATORY INFORMATION

HMIS (USA):
- **Health Hazard:** 1
- **Fire Hazard:** 0
- **Reactivity:** 0

SECTION 16: OTHER INFORMATION

Moonshine Park Farm **Phantasia** is a plant food nutrient product. All information supplied by this Material Safety Data Sheet is for the properly trained user's safe utilization of this product.