

**MOONSHINE PARK FARM  
PHANTASIA, Part 1  
0-4-2  
Guaranteed Analysis:**

Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	4%
Soluble Potash (K <sub>2</sub> O).....	2%
Magnesium (Mg).....	0.8%
Sulfur (S) .....	1.1%
Boron (B) .....	0.01%
Copper (Cu) .....	0.0023%
Manganese (Mn) .....	0.034%
Molybdenum (Mo) .....	0.0017%
Zinc (Zn).....	0.02%

Derived from: Potassium Phosphate, Magnesium Sulfate, Boric Acid, Copper Sulfate, Manganese Sulfate, Sodium Molybdate, and Zinc Sulfate.

**WARNING:** Application of fertilizing materials containing molybdenum (Mo) may result in forage crops containing levels of molybdenum (Mo) which are toxic to ruminant animals. **Do not ingest. Keep out of reach of children.**

Information regarding the contents and levels of metals in this product is available on the internet at:  
<http://www.aapfco.org/metals.htm>

**MOONSHINE PARK FARM  
K MAGIC, Part 2  
1-0-3  
Guaranteed Analysis:**

Total Nitrogen (N).....	1.0%
1.0% Water Soluble Nitrogen.	
Soluble Potash (K <sub>2</sub> O).....	3%
Iron (Fe) .....	0.07%
0.07% Chelated Iron (Fe)	
Derived from: Potassium Citrate and Iron EDDHA [Iron Ethylenediamine Di (Ortho - Hydroxy Phenylacetic Acid)].	
<b>Also contains non-plant food ingredients:</b> Polyaspartate	
1.0% Water Soluble Nitrogen	
Derived from Polyaspartate.	

**General Safety: Do not ingest.  
Keep out of reach of children.**

Information regarding the contents and levels of metals in this product is available on the internet at:  
<http://www.aapfco.org/metals.htm>

**MOONSHINE PARK FARM  
FLOURISH, Part 3  
3-3-0  
Guaranteed Analysis:**

Total Nitrogen (N).....	3%
0.45% Ammoniacal Nitrogen	2.44%
Nitrate Nitrogen	0.11%
Urea Nitrogen	
Soluble Potash (K <sub>2</sub> O).....	2%
Calcium (Ca) .....	1.9%
Derived from: Calcium Ammonium Nitrate, Potassium Nitrate and Urea.	

**Caution: Contains Nitrates.  
Keep out of reach of children.**

Information regarding the contents and levels of metals in this product is available on the internet at:  
<http://www.aapfco.org/metals.htm>

**MOONSHINE PARK FARM  
DREAMCATCHER Hydro Formula  
1.4-0-0  
Guaranteed Analysis:**

Total Nitrogen (N).....	1.4%
0.05% Ammoniacal Nitrogen	1.35%
Nitrate Nitrogen	
Calcium (Ca) .....	1.0%
Magnesium (Mg) .....	0.5%
Derived from: Magnesium Nitrate and Calcium Ammonium Nitrate	

**Caution: Contains Nitrates.  
Keep out of reach of children.**

Information regarding the contents and levels of metals in this product is available on the internet at:  
<http://www.aapfco.org/metals.htm>

**MOONSHINE PARK FARM  
Dirt God  
3-6-0  
Guaranteed Analysis:**

Total Nitrogen (N).....	3.0%
0.2% Urea Nitrogen	
0.3% Water Soluble Nitrogen*	2.5%
Insoluble Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	6.0%
Calcium (Ca) .....	10%
Magnesium (Mg) .....	2%
Derived from: Ureaform, Cooked Bone Meal, Oyster shell and Dolomite.	

\*2.8% Slowly Available Nitrogen derived from Ureaform

Information regarding the contents and levels of metals in this product is available on the internet at:  
<http://www.aapfco.org/metals.htm>

**General Safety: Do not ingest.  
Keep out of reach of children.**

**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, Logsdon, OR 97357, (541) 444-2298.

**SECTION 2: INGREDIENTS AND COMPOSITION INFORMATION**

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

<b>Chemical Names and Synonyms</b>	<b>C.A.S. No.</b>	<b>Chemical Formula</b>	<b>Weight %</b>
<b>Potassium Phosphate, Monobasic; MKP.</b>	<b>7778-77-0</b>	<b>KH<sub>2</sub>PO<sub>4</sub></b>	<b>7.69</b>
<b>Magnesium Sulfate, Heptahydrate; Epsom Salt.</b>	<b>10034-99-8</b>	<b>MgSO<sub>4</sub>.7H<sub>2</sub>O</b>	<b>8.11</b>
<b>Boric Acid</b>	<b>10043-35-3</b>	<b>H<sub>3</sub>BO<sub>3</sub></b>	<b>0.057</b>
<b>Copper Sulfate, Pentahydrate; Blue Vitriol.</b>	<b>7758-99-8</b>	<b>CuSO<sub>4</sub>.5H<sub>2</sub>O</b>	<b>0.009</b>
<b>Manganese Sulfate, Monohydrate</b>	<b>10034-96-5</b>	<b>MnSO<sub>4</sub>.H<sub>2</sub>O</b>	<b>0.1</b>
<b>Sodium Molybdate, Dihydrate</b>	<b>10102-40-6</b>	<b>Na<sub>2</sub>MoO<sub>4</sub>.2H<sub>2</sub>O</b>	<b>0.0042</b>
<b>Zinc Sulfate, Heptahydrate</b>	<b>7446-20-0</b>	<b>ZnSO<sub>4</sub>.7H<sub>2</sub>O</b>	<b>0.088</b>

**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.

**MATERIAL SAFETY DATA SHEET**  
**MOONSHINE PARK FARM**  
**K MAGIC, PART TWO**  
**10/10/10**

**SECTION 1: MATERIAL IDENTIFICATION**

**Product Name:** K Magic, Part 2.

**Chemical Family:** Citrates and aqueous solution of Iron Chelate.

**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:** K Magic is derived from the following materials:

Chemical Names	C.A.S. No.	Chemical Formula	Weight %
Potassium Citrate, Mono Basic	866-83-1	C6H7K07	Proprietary
Potassium Citrate, Tribasic	6100-05-6	C6H5K307.H2O	Proprietary
FeEDDHA, Ethylenediamine-di-(o-hydroxyphenylacetic acid) Ferric Sodium complex.	16455-61-1	C18.H16.N2.O6.FeNa	1.236

**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:**

K Magic concentrate is slightly (pH 9) alkaline may be very slightly irritating on prolonged contact. K Magic concentrate may temporarily stain skin a reddish color. Prompt soap and water washing of contacted skin is recommended.

**Ingestion:**

K Magic contains Potassium citrate in concentrate. May be cathartic, causing nausea and diarrhea.

K Magic also contains 7.57 mg Iron per 10 mL concentrate. Seek medical advice for potential Iron overload if ingested.

**Inhalation:**

Inhalation of aerosolized K Magic 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:** When allowed to dry and exposed to extreme heat, **K Magic** concentrate is expected to create water, carbon dioxide and mineral ash.

**Fire and Explosion Hazards in Presence of Various Substances:** None known.

**Fire Fighting Media and Instructions:** Not available.

**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. May stain concrete. Save water for landscape and tree fertilization.

**Large Spill:** Dike area and maximize recovery. Shop vacuum. Then 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. May temporarily stain skin and concrete.

**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 shield or chemical splash-proof goggles.

**Other:** Eyewash fountain and safety shower in work area.

#### **SECTION 9: PHYSICAL and CHEMICAL PROPERTIES**

**Physical state and appearance:** Dark red liquid.

**Odor:** Iron rust.

**Taste:** Not known.

**Color:** Dark red.

**pH:** 9

**Boiling Point:** Not available.

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** 8.8 LBS per Gallon.

**Vapor Pressure:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Distribution Coefficient:** Not available.

**Ionicity (in water):** Not available.

**Solubility in Water:** 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 soluble Iron. Do not allow entry into streams or watershed.  
**BOD5 and COD:** Not available.  
**Products of Biodegradation:** Product is plant food; contains plant nutrients.  
**Toxicity of the Products of Biodegradation:** No further biodegradation nor toxicity anticipated.  
**Special Remarks on the Products of Biodegradation:** Not applicable.

#### **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**

**EPA Regulations:** Not listed.

#### **SECTION 16: OTHER INFORMATION**

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

**MATERIAL SAFETY DATA SHEET**  
**MOONSHINE PARK FARM**  
**FLOURISH, PART THREE**  
**10/10/10**

**SECTION 1: MATERIAL IDENTIFICATION**

**Product Name:** Flourish, Part 3.

**Chemical Family:** Nitrates and inorganic minerals in aqueous solution.

**Product Use:** Soil applied plant food nutrient.

**Manufactured by:** Moonshine Park Farm, 718 Moonshine Park Road, PO Box 15, Logsden, OR 97357, (541) 444-2298.

**SECTION 2: INGREDIENTS AND COMPOSITION INFORMATION**

**Ingredients:** Flourish is derived from the following plant food materials:

<b>Chemical Names and Synonyms</b>	<b>C.A.S. No.</b>	<b>Chemical Formula</b>	<b>Weight %</b>
Potassium Nitrate, Saltpeter, Niter	7757-79-1	KNO <sub>3</sub>	6.19
Calcium Ammonium Nitrate, Double Salt. 15.5-0-0, 19 Ca	15245-12-2	Ca(NO <sub>3</sub> ) <sub>2</sub> .NH <sub>4</sub> NO <sub>3</sub> .10 H <sub>2</sub> O	5.4
CAN-17 ; Comprised of:			10.0
15% Weight Ammonium Nitrate	6484-52-2	NH <sub>4</sub> NO <sub>3</sub>	
36% Weight Calcium Nitrate	10124-37-5	Ca(NO <sub>3</sub> ) <sub>2</sub>	
49% Weight Water	7732-18-5	H <sub>2</sub> O	

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**SECTION 3: HAZARDS IDENTIFICATION**  
**EMERGENCY OVERVIEW**  
**STRONG OXIDIZER**

**CONTACT WITH COMBUSTIBLE MATERIAL WILL NOT CAUSE SPONTANEOUS IGNITION**  
**HOWEVER, IF ALLOWED TO DRY, SUBSTANCE WILL ENHANCE EXISTING FIRE**  
**CONTAINS CLASS 1 OXIDIZER ACCORDING TO NFPA**

**NFPA Ratings:**

**Health:** 1 **Flammability:** 0 **Reactivity:** 1 **Special:** Oxidizer

**Potential Health Effects:**

Inhalation: Inhalation of aerosolized concentrate may cause coughing.

Skin contact: May cause irritation on prolonged contact.

Ingestion: Hazardous in case of ingestion.

Eye Contact: May cause irritation, redness, itching and pain.

**SECTION 4: FIRST AID MEASURES**

**General Information:** In case of persisting adverse effects, consult a physician.

**Specific Measures:**

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Contains Nitrates. If large quantities of this material are swallowed, call a physician immediately.

Skin contact: In case of irritation, wash skin with water. Remove contaminated clothing.



Eye Contact: Flush eyes with plenty of water.

#### **SECTION 5: FIREFIGHTING MEASURES**

**Fire:** Non combustible, but contact with combustible substances in a fire situation will increase combustion rate.

**Extinguishing Media:** Use water only in flooding quantities.

**Special Exposure Hazards:** Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear. Avoid breathing dust, vapors of fumes from burning materials. In case of inhalation of decomposition products in a fire, symptoms may be delayed.

**Hazardous Thermal Decomposition Products:** These products are: Nitrogen oxides (NO, NO<sub>2</sub> etc.).

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Environmental Precautions:** Low toxicity for fish. However, do not contaminate any waterway or any body of water by direct application, cleaning of equipment or disposal. Suitably diluted, this product or its waste can be recycled as fertilizer for landscapes and trees.

**In Case of Spill:** Dike area and maximize recovery. Shop vacuum then wash area with water and treat waste, suitably diluted, as fertilizer for landscapes and trees.

#### **SECTION 7: HANDLING and STORAGE**

**Precautions to be taken in handling and storing:** Temperatures should be above 40 degrees F to keep solution liquid and pumpable. Use sturdy shelves or cabinets to bear weight of the material. Do not strain to reach the material. Do not expose to fire. **DO NOT ALLOW TO DRY.**

#### **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 liquid.

**Odor:** No odor.

**Taste:** Not available.

**Color:** No color.

**pH:** 6-6.5

**Boiling Point:** After water of evaporation loss, remaining salts decompose at 350 degrees F., releasing Nitrogen oxides ( NO, NO<sub>2</sub>, etc.).

**Extinguishing Media:** Water flooding.

**Melting Point:** After drying, 350 degrees F. See **Boiling Point.**

**Critical Temperature:** 350 degrees F. See **Boiling Point.**

**Specific Gravity:** 9.31 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.

**Solubility:** Completely soluble.

#### **SECTION 10: STABILITY AND REACTION DATA.**

**Stability (Normal Use conditions):** Stable.

**Conditions to Avoid:** High temperatures and fire conditions.

**Incompatibility (Materials to Avoid):** Organic and easily oxidizable matter.

**Hazardous Decomposition Products:** Under extreme fire conditions, may liberate hazardous gases of Nitrogen oxides and Ammonia.

**Hazardous Polymerization:** Will not occur.

#### **SECTION 11: TOXICOLOGY INFORMATION**

**Acute Dermal Toxicity:** Not acutely toxic by dermal exposure. (TFI Product Testing Results, OECD Guideline 402)

**Acute Oral Toxicity:** Not acutely toxic by oral exposure. (TFI Product Testing Results, OECD Guideline 425).

**Acute Inhalation Toxicity:** 4-hour LC50(rat) is greater than 88,800 mg/cubic meter as ammonium nitrate; not toxic by inhalation. (TFI Product Testing Results).

**Acute Aquatic Toxicity:** Fish 4-hour LC50 is 95-102 mg total NH<sub>3</sub>/L as ammonium nitrate; daphnia 24-hour EC50: 124.9 mg total NH<sub>3</sub>/L as ammonium nitrate. Slightly toxic to aquatic organisms. (TFI Product Testing Results).

**Caution:** It is believed that excessive consumption of Nitrates may cause Methemoglobinemia, rendering blood unable to carry oxygen.

#### **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Contains soluble ammonium and nitrate nitrogen. 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**

Not regulated by DOT.

#### **SECTION 15: REGULATORY INFORMATION**

**Carcinogenicity:** by IARC?: Yes ( ) No (X) by NTP?: Yes ( ) NO (X)

This product contains ammonium nitrate solution which may be subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372, under the nitrate compound category.

#### **SECTION 16: OTHER INFORMATION**

Moonshine Park Farm **Flourish** 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.

**MATERIAL SAFETY DATA SHEET**

**MOONSHINE PARK FARM**

**DREAM CATCHER**

**01/03/18**

**SECTION 1: MATERIAL IDENTIFICATION**

**Product Name:** Dream Catcher

**Chemical Family:** Inorganic mineral nitrates in aqueous solution.

**Product Use:** Soil applied plant food nutrient.

**Manufactured by:** Moonshine Park Farm, 718 Moonshine Park Road, PO Box 79, Logsdan,  
OR 97357, (541) 444-2298.

**For Emergency Day or Night Call:** CHEMTREC-Domestic North America 800-424-9300.

**SECTION 2: INGREDIENTS AND COMPOSITION INFORMATION**

**Ingredients:** Dream Catcher is derived from the following plant food materials:

<b>Chemical Names and Synonyms</b>	<b>C.A.S. No.</b>	<b>Chemical Formula</b>	<b>Weight %</b>
<b>Calcium Ammonium Nitrate, Double Salt 15.5-0-0, 19 Ca</b>	<b>15245-12-2</b>	<b>Ca(NO<sub>3</sub>)<sub>2</sub> NH<sub>4</sub>NO<sub>3</sub> 10H<sub>2</sub>O</b>	<b>5.26</b>
<b>Magnesium Nitrate</b>	<b>13446-18-9</b>	<b>Mg(NO<sub>3</sub>)<sub>2</sub> 6H<sub>2</sub>O</b>	<b>5.2</b>

## **SECTION 3: HAZARDS IDENTIFICATION**

### **EMERGENCY OVERVIEW**

#### **STRONG OXIDIZER**

**CONTACT WITH COMBUSTIBLE MATERIAL WILL NOT CAUSE SPONTANEOUS IGNITION**

**HOWEVER, IF ALLOWED TO DRY, SUBSTANCE WILL ENHANCE EXISTING FIRE**

**CONTAINS CLASS 1 OXIDIZER ACCORDING TO NFPA**

#### **NFPA Ratings:**

**Health: 1**

**Flammability: 0**

**Reactivity: 1**

**Special: Oxidizer**

#### **Potential Health Effects:**

**Inhalation:** Inhalation of aerosolized concentrate may cause coughing.

**Skin contact:** May cause irritation on prolonged contact.

**Ingestion:** Hazardous in case of ingestion.

**Eye Contact:** May cause irritation, redness, itching and pain.

## **SECTION 4: FIRST AID MEASURES**

**General Information:** In case of persistent adverse effects, consult a physician.

#### **Specific Measures:**

**Inhalation:** Remove to fresh air. Get medical attention for any breathing difficulty.

**Ingestion: Contains Nitrates.** If large quantities of this material are swallowed, call a physician immediately.

**Skin Contact:** In case of irritation, wash skin with water. Remove contaminated clothing.

**Eye Contact:** Flush eyes with plenty of water.

## SECTION 5: FIREFIGHTING MEASURES

**Flammability classification:** Non-combustible, but contact with combustible substances in a fire situation will increase combustion rate.

**Extinguishing Media:** Use water only in flooding quantities.

**Special Exposure Hazards:** Fire fighters should wear self-contained positive breathing Apparatus (SCBA) and full turnout gear. Avoid breathing dust, vapors of fumes from burning materials. In case of inhalation of decomposition products in a fire, symptoms may be delayed.

**Hazardous Thermal Decomposition Products:** These products are: Nitrogen oxides (NO, NO<sub>2</sub> etc.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Environmental Precautions:** Low toxicity to fish. However, do not contaminate any waterway or any body of water by direct application, cleaning of equipment or disposal. Suitably diluted, this product or its waste can be recycled as fertilizer for landscapes and trees.

**In Case of Spill:** Dike the area and maximize recovery. Shop vacuum, then wash area with water and treat waste, suitably diluted, as fertilizer for landscapes and trees.

## SECTION 7: HANDLING AND STORAGE

**Precautions to be taken in handling and storing:** Temperatures should be above 40 degrees F to keep solution liquid and pump-able. Use sturdy shelves or cabinets to bear weight of the material. Do not strain to reach the material. Do not expose to fire. **DO NOT ALLOW TO DRY.**

## 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 liquid.

**Odor:** No odor.

**Taste:** Not available..

**Color:** No color.

**pH:** 6-6.5

**Boiling Point:** After water of evaporation loss, remaining salts decompose at 350 degrees F, releasing Nitrogen Oxides. (NO, NO<sub>2</sub>, etc.)

**Extinguishing Media:** Water flooding.

**Melting Point:** After drying, 350 degrees F. See **Boiling Point**.

**Critical Temperature:** 350 degrees F. See **Boiling Point**.

**Specific Gravity:** 8.79 pounds 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 during normal storage and use.

**Instability Temperature:** If allowed to dry and heated at or above 350 degrees F, combustion supporting Nitrogen oxides may be formed.

**Conditions of Instability:** Upon dryness and heating to Instability Temperature of 350 degrees or above.

**Incompatibility with various substances:** Precipitation of Calcium sulfate may be formed if soluble sulfates directly added to concentrate.

**Corrosivity:** Non-corrosive in plastic or glass.

**Special Remarks on Corrosivity:** Not available.

**Hazardous Polymerization:** Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Route of Entry:

Eye contact: Irritant. Utilize eye-wash station.

Inhalation: May be irritating. Remove from source.

Ingestion: May be cathartic. If large quantities consumed, drink water and induce vomiting.

Contact physician for potential Nitrate ion induced Methemoglobinemia.

**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. Irritant if inhaled. Cathartic and potential Methemoglobinemia agent if ingested in large quantities. **Dream Catcher** concentrate contains 1 meq. Nitrate ion per mL.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on Toxic Effects on Humans:** Contact physician if toxicity suspected.



## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Contains Nitrates. Do not allow entry into streams or watersheds.

**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 available.

## SECTION 15: OTHER REGULATORY INFORMATION

**HMIS (USA) :**

**Health Hazard:** 1

**Fire Hazard:** 0

**Reactivity:** 0

## SECTION 16: OTHER INFORMATION

Moonshine Park Farm **Dream Catcher** 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.

## Material Safety Data Sheet

Moonshine Park Farm

Dirt God

12/29/17

### SECTION 1: MATERIAL IDENTIFICATION

**Product Name:** Dirt God

**Chemical Family:** Agriculture grade inorganic minerals plus Nitrogen supplement.

**Product Use:** Soil mineral amendment.

**Manufactured By:** Moonshine Park Farm, 718 Moonshine Park Road, PO Box 79, Logsdon, OR 97357, (541) 444-2298

**For Emergency Day or Night Call:** CHEMTREC-Domestic North America 800-424-9300

### SECTION 2: INGREDIENTS AND COMPOSITION INFORMATION

**Ingredients:** Dirt God is derived from the following plant food materials:

Chemical Names and Synonyms	C.A.S No.	Chemical Formula	Weight %
Bone Meal, Cooked 3-15-0	68409-76-7	Hydroxy Apatite	40.25
Oyster Shell, Coarse pH Buffer	1317-65-3	CaCO <sub>3</sub>	31.27
Calcium Magnesium Carbonate, Dolomite AG-10	16389-88-1	CaCO <sub>3</sub> -MgCO <sub>3</sub>	21.35
Ureaform, 38% Nitrogen	9011-05-6	Urea Formaldehyde polymer	5.7
Sul-Po-Mag, Sulfate of Potash Magnesia Langbeinite	14977-38-8	K <sub>2</sub> Mg <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	1.4

### SECTION 3: HAZARDS IDENTIFICATION

**Potential Acute Health Effects:** Irritant eye, slight irritant skin, 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 eye contact, immediately flush eyes with water for at least 15 minutes. Get medical attention.

**Skin Contact:** **Dirt God** may be slightly irritating on prolonged contact. Prompt soap and water washing of contacted skin is recommended..

**Ingestion:** **Dirt God** coarse texture is expected to be difficult to swallow. If consumed, drink copious quantity of water and call physician.

**Inhalation:** **Dirt God** contains nuisance dust and may be expected to irritate lungs. Get medical attention for any breathing difficulty.

### SECTION 5: FIRE AND EXPLOSION DATA

**Flammability Classification:** **Dirt God** is 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 Explosion Hazards:** Not applicable.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Small Spill:** Sweep up and lightly dust **Dirt God** on landscape material. Water in.

**Large Spill:** At the rate of one bag, 2.6 pounds, recovered **Dirt God**, can be admixed within 8 to 10 square feet of landscape area and suitably watered in.

## SECTION 7: HANDLING AND STORAGE

### Precautions:

Mild Irritant. Do not breathe potential nuisance dust. Wear nuisance dust protective masks. Mildly irritating to skin on prolonged contact. Wear Gloves when blending **Dirt God** into soil mixes.

**Storage:** No specific storage required. Use sturdy shelves or cabinets to bear the weight of **Dirt God**. 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 powder contained.

**Ventilation Protection:** Maintain adequate ventilation in workplace.

**Respiratory Protection:** Nuisance dust masks recommended in workplace.

**Protective clothing:** Normal work clothing and gloves are recommended. Wash clothing after use.

**Eye Protection:** Safety glasses or chemical goggles recommended.

**Other:** Eyewash fountain in work area recommended.

## SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

**Physical state and appearance:** Dirt God is a heterogenous mix of light colored to grey mineral powders and granules. A soft-blue layer is sometimes seen.

**Odor:** Very slight.

**Taste:** Not available.

**Color:** Light color to grey with light blue powder.

**pH:** Slightly alkaline.

**Boiling Point:** Not available.

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**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:** Not available.

**Solubility:** Insoluble in water.

## SECTION 10: STABILITY and REACTIVITY DATA

**Stability:** Dirt God is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Will release Carbon dioxide if contacted with strong acids.

**Corrosivity:** Non-corrosive.

**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 no available. LC50 not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:** Eye irritant. Mild skin irritant. 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

**Excotoxicity:** **Dirt God** contains Phosphate and Nitrogen. Do not allow entry into streams or watershed.

**Products of Biodegradation:** **Dirt God** is plant food; contains plant nutrients.

**Toxicity of the products of Biodegradation:** No further biodegradation nor toxicity anticipated.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** **Dirt God** and its spent soil mixtures are expected to be recycled into useful landscape and tree plantings.

## SECTION 14: TRANSPORT INFORMATION

**DOT Classification:** **Dirt God** is 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 **Dirt God** 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.