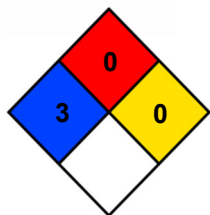




# SAFETY DATA SHEET

## HUMA GRO® RIO PECAN BLEND



HMIS	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PPE	B

### SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT	HUMA GRO® RIO PECAN BLEND	Product# 999
GENERAL USE:	Used as a part of a plant nutrition program.	
PRODUCT DESCRIPTION:	A dark tan liquid having a distinctive odor.	
SUPPLIER INFORMATION:	Bio Huma Netic, Inc. 1331 W Houston Avenue Gilbert, AZ 85233	<b>EMERGENCY PHONE NUMBERS</b>
For Additional SDS call:	PHONE: (480) 961-1220	CHEMTREC: (In the USA) 800-424-9300 (International) 703-527-3887

### SECTION 2: HAZARDS IDENTIFICATION

#### HAZARDS OVERVIEW:

A dark tan liquid having a distinctive odor. The vapors, mists and liquid may cause severe irritation or burns to all tissues contacted. Phosphoric Acid may generate flammable Hydrogen gas on contact with most metals. The NIOSH I.D.L.H. for Phosphoric Acid is: 1,000 mg/m<sup>3</sup>.



**CLASSIFICATION:** SKIN CORROSION – CATEGORY 1A

**SIGNAL WORD:** DANGER

**HAZARD STATEMENT:** H314; causes severe skin burns and eye damage

**PRECAUTIONARY STATEMENT:** P260; Do not breathe dusts/mist/vapors. P280; Wear protective gloves/protective clothing/eye protection/face protection P264; Wash hands thoroughly after handling

### SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

COMPONENT	CAS #	OSHA HAZARD	WT %	ACGIH		OSHA	
				TLV <sub>(TWA)</sub>	STEL	PEL <sub>(TWA)</sub>	STEL
Ferrous Sulfate	007720-78-7	Eye Corrosive; Skin, & Respiratory Irritant; Moderately Toxic by Ingestion	1.0% ± 0.5%	1 mg/m <sup>3</sup> (as Fe)	None	None	None
Zinc Sulfate	7733-02-0	Eye, Skin & Respiratory Irritant; Cardiovascular, ; Blood & Central Nervous System toxin	5.0% ± 1.0%	None	None	None	None
Nickel Sulfate	10101-97-0	Corrosive; Eye, Skin & Respiratory Hazard; Lung toxin; Toxic by Ingestion	1.0% ± 0.5%	0.1 mg/m <sup>3</sup>	NDA	1 mg/m <sup>3</sup>	NDA
Boric Acid	10043-35-3	Eye, Skin & Respiratory Irritant; Toxic by Ingestion; Kidney, Gastrointestinal & Central Nervous Systems toxin	0.6% ± 0.2%	2 mg/m <sup>3</sup> Inhalable Fraction	6 mg/m <sup>3</sup> Inhalable Fraction	None	None
Phosphoric Acid	7664-38-2	Corrosive; Lung Toxin	4.5% ± 2.0%	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	None
Manganese Sulfate	7785-87-7	Eye, Skin & Respiratory Irritant; Central Nervous System toxin; Moderately toxic by Ingestion	4.0% ± 1.0%	0.2 mg/m <sup>3</sup> Proposed: 0.02 mg/m <sup>3</sup> Respirable fraction	None	Ceiling 5 mg/m <sup>3</sup>	None
Monopotassium Phosphate	7778-77-0	Eye, Skin & Respiratory Irritant	2.0% ± 0.5%	10 mg/m <sup>3</sup>	None	15 mg/m <sup>3</sup>	None

NDA = No Data Available      N/A = Not Applicable

#### SECTION 4: FIRST AID MEASURES

<b>INHALATION:</b>	If inhaled, immediately move to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; use the Holger Nielsen method (back pressure-arm lift) or proper respiratory device. If breathing is difficult, give oxygen. Call a physician.
<b>EYE CONTACT:</b>	In case of contact, immediately flush eyes with plenty of clean running water for at least 15 minutes, lifting the upper and lower lids occasionally. Remove contact lenses, if worn. Get medical attention immediately.
<b>SKIN CONTACT:</b>	In case of contact, immediately flush skin with plenty of clean running water for at least 15 minutes, while removing contaminated clothing and shoes. If burn or irritation occurs, call a physician.
<b>INGESTION:</b>	If swallowed, DO NOT induce vomiting. Get medical attention immediately. If victim is fully conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person.
<b>NOTE TO PHYSICIANS:</b>	Phosphoric Acid has a low oral toxicity, but it can be severely irritating and/or corrosive to the eyes, skin and mucous membranes. If ingested, consideration should be given to careful endoscopy as stomach or esophageal burns, perforations or strictures may occur. Careful gastric lavage with an endotracheal tube in place should be considered. Treat exposure symptomatically.

#### SECTION 5: FIRE FIGHTING MEASURES

<b>Flashpoint and Method:</b>	This product does not flash.		
<b>Flammable Limits (in air, % by volume)</b>	<b>Lower:</b>	Not applicable	<b>Upper:</b> Not applicable
<b>Autoignition Temperature:</b>	Not Determined		
<b>GENERAL HAZARD:</b>	This product is an aqueous solution of inorganic salts, an organic acid, and other organic and inorganic plant nutrients, that are in an acidic solution. The Uniform Fire Code health hazard classification for this product is: <b>Irritant</b> . This product may produce hazardous mists or hazardous decomposition products.		
<b>FIRE FIGHTING INSTRUCTIONS:</b>	<b>EXTINGUISHING MEDIA:</b> Water, foam, CO <sub>2</sub> or dry chemicals. Use a water spray or fog to cool the containers exposed to the heat of a fire.		
<b>FIRE FIGHTING EQUIPMENT:</b>	Fire fighters should wear full protective equipment, including self-contained breathing apparatus.		
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	When heated to dryness and decomposition, it emits toxic carbon monoxide, carbon dioxide, zinc, manganese, iron and copper oxides, with trace or ultra-trace toxic oxide amounts, of potassium, phosphorus, nitrogen, sulfur, magnesium, calcium, boron, cobalt and sodium plus irritating smoke.		

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>RELEASE TO LAND:</b>	Wearing recommended protective equipment and clothing, dike the spill and pick up the bulk of liquid using pumps or a vacuum truck, or absorb the liquid in sand or a commercial absorbent. Place in approved containers for recovery, disposal, or satellite accumulation. Neutralize the acidity, of the remaining liquid, using soda ash, lime, or other agent appropriate for neutralizing acidic liquids. Flush the spill area with water; collect the rinsates for disposal or sewer, as appropriate.
<b>RELEASE TO WATER:</b>	Wear recommended protective equipment and clothing if contact with hazardous material can occur. Stop or divert water flow. Dike contaminated water and remove for disposal and/or treatment. As appropriate, notify all downstream users of possible contamination.

#### SECTION 7: HANDLING AND STORAGE

<b>STORAGE TEMPERATURE:</b>	Ambient	<b>STORAGE PRESSURE:</b>	Ambient
<b>GENERAL:</b>	Store in a cool, dry, well-ventilated area away from incompatible materials and products. Avoid getting this product in eyes, on skin or on clothing. Wear recommended personnel protective equipment when handling this product. Do not breathe mists, vapors, fumes or aerosols. Use with adequate ventilation. Do not take internally. Keep the container tightly closed when not in use. Wash thoroughly after handling this product.		

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**CONTROL MEASURES:** Use a local or general, mechanical exhaust ventilation system capable of maintaining emissions, in the work area, below the OSHA-PEL, ACGIH-TLV or levels that may cause irritation.

### RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATOR:** For exposure above the ACGIH-TLV, OSHA Ceiling level or levels that may cause irritation, wear a NIOSH-approved full facepiece or half mask air-purifying cartridge respirator equipped with a good mist / particulate filter cartridge or supplied air. **Note:** Always consult the respirator manufacturer's data when determining the suitability of respiratory protective devices prior to use.

**EYES:** Wear chemical goggles (recommended by ANSI Z87.1-1979), unless a full facepiece respirator is worn. **Note:** Always consult the protective eyewear manufacturer's data when determining the suitability of protective eyewear prior to use.

**GLOVES:** Wear Neoprene, Nitrile, Butyl Rubber or Natural Rubber gloves. **Note:** Always consult the glove manufacturer's permeation data when determining the suitability of gloves prior to use.

**CLOTHING & EQUIPMENT:** Wear a Neoprene, Nitrile, Butyl Rubber or Natural Rubber apron, or full protective clothing when handling this material. An eye wash station and safety shower should be available in the work area. **Note:** Always consult the clothing/equipment manufacturer's permeation data when determining the suitability of clothing/equipment prior to use.

**FOOTWEAR:** Wear Neoprene, Nitrile, Butyl Rubber or Natural Rubber boots. **Note:** Always consult the footwear manufacturer's permeation data when determining the suitability of footwear prior to use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Dark tan	<b>Bulk Density (pounds/ft³):</b>	Not applicable
<b>Physical State:</b>	Liquid	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	Distinctive, decayed citrus	<b>Vapor Density (air=1):</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate (n-Butyl Acetate=1):</b>	Less than 1
<b>Molecular Formula:</b>	Mixture	<b>VOC Content / Organic Matter:</b>	≤1gm/Liter / 7.74%
<b>Molecular Weight:</b>	Not applicable	<b>% Volatile:</b>	No data available
<b>Boiling Point:</b>	Greater than 100° C. (212° F.)	<b>Solubility in H<sub>2</sub>O:</b>	Complete
<b>Freezing/Melting Point:</b>	Less than 0° C. (32° F.)	<b>Octanol/Water Partition Coefficient:</b>	No data available
<b>Specific Gravity:</b>	1.25 – 1.35 @ 20° C.	<b>pH (as is):</b>	1.0 - 2.0
<b>Density (pounds/gallon):</b>	Approximately 10.43	<b>pH (1% solution):</b>	No data available

## SECTION 10: STABILITY AND REACTIVITY

**GENERAL:** This product is stable and hazardous polymerization will not occur.

**CONDITIONS TO AVOID:** Do not store this product below 50° F (10° C) or above 90° F (30° C)

**INCOMPATIBLE MATERIAL:** Contact caustics & alkali, strong oxidizers, sulfides, sulfites, cyanides and chlorine releasers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** When heated to dryness and decomposition, it emits toxic oxides of carbon, zinc, manganese, iron and copper, with trace or ultra-trace toxic oxide amounts, of potassium, phosphorus, nitrogen, sulfur, magnesium, calcium, boron, cobalt and sodium plus irritating smoke.

**SENSITIVITY TO MECHANICAL IMPACT:** This product is not sensitive to mechanical impact.

**SENSITIVITY TO STATIC DISCHARGE:** This product is not sensitive to static discharge.

## SECTION 11: TOXICOLOGICAL INFORMATION

Components:	<u>Phosphoric Acid</u>	<u>Zinc Sulfate</u>	<u>Manganese Sulfate</u>
<b>Eye Contact:</b>	Rabbit: 119 mg; Severe	Rabbit: 420 ug; Moderate	No data available
<b>Skin Contact:</b>	Rabbit: 595 mg/24 hours; Severe	No data available	No data available
<b>Oral Rat LD<sub>50</sub>:</b>	1,530 mg/kg	1,710 mg/kg	2,150 mg/kg
<b>Dermal Rabbit LD<sub>50</sub>:</b>	2,740 mg/kg	No data available (Subcutaneous LD <sub>50</sub> : 300 mg/kg)	No data available
<b>Inhalation Rat LC<sub>50</sub>:</b>	Greater than 850 mg/m <sup>3</sup> /1 hour	No data available	No data available
<b>Human Data:</b>	Unreported Route Man LD <sub>50</sub> : 220 mg/kg	Oral Human TD <sub>50</sub> : 45 mg/kg/7 Days; Cardiac & Blood Effects	No data available
<b>Other Toxicological Data:</b>	Oral Man TD <sub>50</sub> : 1,286 uL/kg	Subcutaneous Rat LD <sub>50</sub> : 330 mg/kg	Oral Mouse LD <sub>50</sub> : 2,330 mg/kg
<b>Carcinogenicity:</b>	No data available	Subcutaneous Rabbit LD <sub>50</sub> : 3,625 ug/kg/5 Days – Tumorigenic – Tumors at site of application	Intraperitoneal Mouse TD <sub>50</sub> : 660 mg/kg/8 Weeks; Tumorigenic – Neoplastic by RTECS criteria
<b>Teratogenicity:</b>	No data available	Oral Rat TD <sub>50</sub> : 333 mg/kg (female 1-18 Days pregnant) Effects on fertility – Post implantation mortality	Intraperitoneal Mouse TD <sub>50</sub> : 34,356 ug/kg; (female 10 Days pregnant) Post-implantation mortality
<b>Mutagenicity:</b>	No data available	Human DNA Inhibition, HeLa cell: 1 umol/Liter/4 hours	Bacteria B Subtilis DNA Repair: 50 mmol/ Liter
<b>Synergistic Products:</b>	None reported	None reported	None reported
<b>Target Organs:</b>	Eyes, Skin, Mucous membranes, Lungs & Gastrointestinal tract	Eyes, Skin, Lungs, Blood, Cardiovascular & Central Nervous Systems	Eyes, Skin, Lungs & Central Nervous Systems
<b>Medical Conditions Aggravated By Exposure:</b>	Skin, Respiratory or Gastrointestinal disorders	Skin, Respiratory or Heart disorders	Skin or Respiratory disorders

Components:	<u>Ferrous Sulfate</u>	<u>Monopotassium Phosphate</u>	<u>Nickel Sulfate</u>
<b>Eye Contact:</b>	No data available	No data available	Causes eye irritation.
<b>Skin Contact:</b>	No data available	No data available	May be harmful if absorbed through skin. Causes skin irritation.
<b>Oral Rat LD<sub>50</sub>:</b>	319 mg/kg	No data available (Oral Rat LD <sub>50</sub> : 4,640 mg/kg)	361 mg/kg
<b>Dermal Rabbit LD<sub>50</sub>:</b>	No data available	Greater than 4,640 mg/kg	No data available
<b>Inhalation Rat LC<sub>50</sub>:</b>	No data available	No data available	4 hour - 2.48mg/L
<b>Human Data:</b>	Oral Woman TD <sub>50</sub> : 10,560 ug/kg; Gastrointestinal effects	No data available	No data available
<b>Other Toxicological Data:</b>	Oral Mouse LD <sub>50</sub> : 680 mg/kg	No data available	No data available
<b>Carcinogenicity:</b>	Subcutaneous Mouse TD <sub>50</sub> : 1,600 mg/kg/16 Weeks; Equivocal Tumorigenic Agent, Tumors at application site	No data available	Human carcinogen. May cause cancer by inhalation
<b>Teratogenicity:</b>	Oral Rat TD <sub>50</sub> : 7,200 mg/kg (9-14 Days pregnant); Effects on Embryo or Fetus – Fetal death	No data available	Presumed human reproductive toxicant. May damage the unborn child
<b>Mutagenicity:</b>	Cytogenetic Analysis – Hamster, Ovary: 5 mmol/ Liter	No data available	In vitro tests showed mutagenic effects
<b>Synergistic Products:</b>	None reported	None reported	No data available
<b>Target Organs:</b>	Eyes, Skin, Lungs, Liver, Gastrointestinal Tract & Lymphatic System	Eyes, Skin & Mucous membranes	Inhalation - Causes damage to organs through prolonged or repeated exposure.
<b>Medical Conditions Aggravated By Exposure:</b>	Skin, Liver or Respiratory disorders	Skin or Respiratory disorders	Gastrointestinal disorders, may cause allergic respiratory and skin reactions

## SECTION 11: TOXICOLOGICAL INFORMATION (Continued from Page 4)

<b>Components:</b>	<u>Boric Acid</u>
<b>Eye Contact:</b>	No data available
<b>Skin Contact:</b>	Human Standard Draize Test: 15 mg/3 Days ; Mild
<b>Oral Rat LD<sub>50</sub>:</b>	2,660 mg/kg
<b>Dermal Rabbit LD<sub>50</sub>:</b>	No data available (Dermal Infant TD <sub>Lo</sub> : 1,200 mg/kg)
<b>Inhalation Rat LC<sub>50</sub>:</b>	28 mg/m <sup>3</sup> /4 hours
<b>Human Data:</b>	Oral Woman LD <sub>Lo</sub> : 200 mg/kg
<b>Other Toxicological Data:</b>	Oral Child TD <sub>Lo</sub> : 500 mg/kg; Gastrointestinal Effects: Nausea or vomiting
<b>Carcinogenicity:</b>	No data available
<b>Teratogenicity:</b>	Oral Rat TD <sub>Lo</sub> : 6,600 mg/kg (female 1 – 21 Days pregnant); Effects on Embryo or Fetus – Fetotoxicity; Specific Developmental Abnormalities – Musculoskeletal system
<b>Mutagenicity:</b>	Bacteria – E Coli Mutations in Microorganisms: 17,000 ppm/24 hours (-S9)
<b>Synergistic Products:</b>	None reported
<b>Target Organs:</b>	Eyes, Skin, Lungs, Kidneys, Gastrointestinal & Central Nervous Systems
<b>Medical Conditions Aggravated By Exposure:</b>	Skin, Respiratory, Kidney or Gastrointestinal disorders

## SECTION 12: ECOLOGICAL INFORMATION

### ENVIRONMENTAL FATE:

This product is completely soluble in water and can affect the pH of water. No specific environmental fate data is available.

### ENVIRONMENTAL CONSIDERATIONS:

The aquatic toxicity for this product has not been determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>RCRA 40 CFR 261 CLASSIFICATION:</b>	Non-RCRA Hazardous Waste (United States)
<b>U.S. EPA WASTE NUMBER/DESCRIPTION:</b>	Not Applicable

If this product is disposed of as shipped, it does not meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of a hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D due to toxicity. As a non-RCRA hazardous liquid waste, it should be disposed of in accordance with all local, state, and federal regulations. Consult state or local officials for proper disposal method.

## SECTION 14: TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:	Corrosive liquids, n.o.s. (Contains phosphoric acid, nickel sulfate, zinc sulfate, and manganese sulfate)					
	Hazard Class:	8	UN Number:	UN1760	Packing Group:	II
	Primary Label:	Corrosive	Subsidiary Label(s):	None		
	Primary/Subsidiary Placards:	Corrosive				
DOT Reportable Quantity (RQ):	100 pounds (Nickel Sulfate)		RQ for Product:	908 pounds		
Marine Pollutant:	Yes (Severe Marine Pollutant) Applicable to transport by water & in any bulk packaging.					
2012 North American Emergency Response Guidebook No.:	154					
TDG PROPER SHIPPING NAME:	Corrosive liquids, n.o.s. (Contains phosphoric acid, nickel sulfate, zinc sulfate, and manganese sulfate)					
	Hazard Class:	8	UN Number:	UN1760	Packing Group:	II
	Primary Label:	Corrosive	Subsidiary Label(s):	None		
	Primary/Subsidiary Placards:	Corrosive				
TDG Reportable Quantity (RQ): *	At least 1kg					
TDG Schedule XII:	Not listed					
Regulated Limit (RL): **	Not Listed		RL for Product:	Not Applicable		
Other Shipping Information:	Note: In a packaging holding 395 pounds, or more, the shipping name must be preceded by: "RQ,". All the hazardous material shipping descriptions, for this product, must be followed by "(Marine Pollutant)". The Marine Pollutant marking must be on all tote size packaging.					

\* Canadian Transportation of Dangerous Goods Regulations (TDGR), Part IX, Table I, Quantities or levels for Immediate Reporting: releases of reportable quantities, RQ, that meet the definition of a "dangerous occurrence" (a threat to life, health, property, or the environment) must be reported to the appropriate authorities as outlined in TDGR 9.13(1) and 9.14(1). \*\* Reporting to Environment Canada is required for any releases exceeding the regulated limits, RL, of 9.2 materials (primary or secondary). The regulated limits are found in Schedule XIII of the TDGR.

## SECTION 15: REGULATORY INFORMATION

<b>COMPONENTS:</b>	<b><u>Phosphoric Acid</u></b>	<b><u>Zinc Sulfate</u></b>	<b><u>Manganese Sulfate</u></b>	<b><u>Ferrous Sulfate</u></b>
<b><u>OSHA Target Organs:</u></b>	Eyes, Skin, Mucous membranes, Lungs & Gastrointestinal tract	Eyes, Skin, Lungs, Cardiovascular, Blood & Central Nervous Systems	Eyes, Skin, Lungs & Central Nervous Systems	Eyes, Skin, Lungs, Liver, Gastrointestinal & Lymphatic Systems
<b><u>Carcinogenic Potential:</u></b>				
<b>Regulated by OSHA:</b>	No	No	No	No
<b>Listed on NTP Report:</b>	No	No	No	No
<b>Listed by IARC:</b>	No	No	No	No
IARC Group:	Not applicable	Not applicable	Not applicable	Not applicable
<b>ACGIH Appendix A:</b>	Not listed	Not listed	Not listed	Not listed
A1 Confirmed Human:	Not applicable	Not applicable	Not applicable	Not applicable
A2 Suspected Human:	Not applicable	Not applicable	Not applicable	Not applicable
<b>U.S. EPA Requirements</b>				
<b>Release Reporting</b>				
<b>CERCLA (40 CFR 302)</b>				
<b>Listed Substance:</b>	Yes	Yes	Yes (Manganese Compounds)	Yes
Reportable Quantity:	5,000 pounds	1,000 pounds	1 pound	1,000 pounds
Category:	D	C	Not listed	C
RCRA Waste No.:	Not listed	Not listed	Not listed	None listed
<b>Unlisted Substance:</b>	Not applicable	Not applicable	Not applicable	Not applicable
Reportable Quantity:	Not applicable	Not applicable	Not applicable	Not applicable
Characteristic:	Not applicable	Not applicable	Not applicable	Not applicable
RCRA Waste No.:	Not applicable	Not applicable	Not applicable	Not applicable

## SECTION 15: REGULATORY INFORMATION (Continued from Page #6)

### SARA TITLE III

#### Section 302 & 303 (40 CFR 355):

<b>Listed Substance:</b>	<u>Phosphoric Acid</u>	<u>Zinc Sulfate</u>	<u>Manganese Sulfate</u>	<u>Ferrous Sulfate</u>
Reportable Quantity:	Not listed	Not listed	Not listed	Not listed
Planning Threshold:	Not applicable	Not applicable	Not applicable	Not applicable

#### Section 311 & 312 (40 CFR 370):

Hazard Categories (product):	<b>Fire: <u>N</u></b>	<b>Sudden Release of Pressure: <u>N</u></b>	<b>Reactive: <u>N</u></b>	<b>Acute Health: <u>Y</u></b>	<b>Chronic Health: <u>N</u></b>
Planning threshold:	10,000 pounds	10,000 pounds	10,000 pounds	10,000 pounds	10,000 pounds

#### Section 313 (40 CFR 372):

<b>Listed Toxic Chemical:</b>	No (Delisted in June 2000)	Yes (Zinc Category)	Yes (Manganese Category)	Not listed
Reporting Threshold:	Not applicable	10,000 pounds	10,000 pounds	Not applicable

### U.S. TSCA Status

<b>Listed</b> (40 CFR 710):	Yes	Yes	Yes	Yes
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### State Regulations

#### State of California: Safe Drinking Water and Toxins Enforcement Act, 1986 (Proposition 65):

Carcinogen:	No	No	No	No
Reproductive Toxin:	No	No	No	No

### Other Regulations

<b>State Right To Know Laws:</b>	MA, NJ, PA	None known	None known	None known
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### Canadian Regulations

#### Product Information:

Controlled Product:	<b>Yes</b>
WHMIS Hazard Symbols:	<b>Material Causing Other Toxic Effects</b>
WHMIS Class & Division:	<b>D.2B</b>

#### Ingredient Information:

IDL Substance:	Yes	Yes	Yes	No
DSL or NDSL Lists:	DSL	DSL	DSL	DSL

### COMPONENTS:

<u>Monopotassium Phosphate</u>	<u>Nickel Sulfate</u>	<u>Boric Acid</u>
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#### OSHA Target Organs:

Eyes, Skin & Mucous membranes	Eyes, Skin, Lungs, & Gastrointestinal tract	Eyes, Skin, Lungs, Kidneys, Gastrointestinal & Central Nervous Systems
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#### Carcinogenic Potential:

<b>Regulated by OSHA:</b>	No	Yes	No
<b>Listed on NTP Report:</b>	No	Yes	No
<b>Listed by IARC:</b>	No	Yes	No
IARC Group:	Not listed	2B	Not applicable
<b>ACGIH Appendix A:</b>	Not listed	Listed	Not listed
A1 Confirmed Human:	Not applicable	Yes	Not applicable
A2 Suspected Human:	Not applicable	Not applicable	Not applicable

### U.S. EPA Requirements

#### Release Reporting

##### CERCLA (40 CFR 302)

<b>Listed Substance:</b>	Not listed	Not listed	Not listed
Reportable Quantity:	Not applicable	Not applicable	Not applicable
Category:	Not applicable	Not applicable	Not applicable
RCRA Waste No.:	Not applicable	Not applicable	Not applicable
<b>Unlisted Substance:</b>	Not applicable	Yes	Not applicable
Reportable Quantity:	Not applicable	Not applicable	Not applicable
Characteristic:	Not applicable	Corrosive	Not applicable
RCRA Waste No.:	Not applicable	D002	Not applicable

## SECTION 15: REGULATORY INFORMATION (Continued from Page 7)

COMPONENTS:	<u>Monopotassium Phosphate</u>	<u>Nickel Sulfate</u>	<u>Boric Acid</u>
<b>SARA TITLE III</b>			
<b>Section 302 &amp; 303</b> (40 CFR 355):			
<b>Listed Substance:</b>	Not listed	Not listed	Not listed
Reportable Quantity:	Not applicable	Not applicable	Not applicable
Planning Threshold:	Not applicable	Not applicable	Not applicable
<b>Section 311 &amp; 312</b> (40 CFR 370):			
Planning threshold:	10,000 pounds	10,000 pounds	10,000 pounds
<b>Section 313</b> (40 CFR 372):			
<b>Listed Toxic Chemical:</b>	Not listed	No	Not listed
Reporting Threshold:	Not applicable	Not applicable	Not applicable

### U.S. TSCA Status

<b>Listed</b> (40 CFR 710):	YES	Yes	Yes
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### State Regulations

#### State of California: Safe Drinking Water and Toxins Enforcement Act, 1986 (Proposition 65):

Carcinogen:	No	Yes	No
Reproductive Toxin:	No	Yes	No

### Other Regulations

<b>State Right To Know Laws:</b>	CA, MA, NJ, PA	MA, NJ, PA	MA, NJ, PA
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### Canadian Regulations

#### Product Information:

Controlled Product:	<b>Yes</b>
WHMIS Hazard Symbols:	<b>Corrosive Material</b>
WHMIS Class & Division:	<b>E</b>

#### Ingredient Information:

IDL Substance:	No	Yes	Yes
DSL or NDSL Lists:	DSL	DSL	DSL

## SECTION 16: OTHER INFORMATION

**EPA Registration number:** Not applicable

**Approved Product Uses:** Used as a complete microbial nutritional program for soil and water remediation

#### Special Notes:

This product is not formulated to contain any material, which the State of California has found to cause cancer and/or birth defects or other reproductive harm. However, as it contains small amounts of mined minerals, this product may contain trace (parts per million) or ultra-trace (parts per billion) of elements known to the State of California to cause cancer, birth defects or other reproductive harm.

#### Special Instructions:

When making solutions, always add HUMA GRO® Max Pak® to water, or other solutions, with adequate mixing to ensure a uniform solution. Do not add this product to hypochlorite bleaches, chlorine sanitizers or chlorinated cleaners as this liberates toxic Chlorine gas. Do not add this product to strong alkali or caustic materials and products, as this can liberate a lot of heat and toxic Ammonia gas.

#### SDS Revision Information:

**SDS Distributed by:** Bio Huma Netics, Inc.

Prepared By:	Anna Carpenter	Date Prepared:	March 25, 2020
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