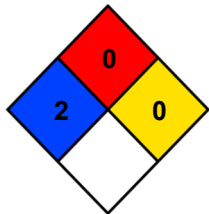


HUMA[®]**SAFETY DATA SHEET**
Crop-Gard[®]

HMIS	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PPE	C

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT IDENTIFIER:	Crop-Gard[®]	Product# 220
GENERAL USE:	Used as a part of a plant nutrition program.	
PRODUCT DESCRIPTION:	A slightly to hazy, bluish green liquid having a unique characteristic odor.	
SUPPLIER INFORMATION:	Huma, Inc. 1331 W Houston Avenue Gilbert, AZ 85233	EMERGENCY PHONE NUMBERS
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 slightly hazy, bluish green liquid having a unique characteristic odor. Exposure to this product's mists or liquid can cause severe irritation or burns to the eyes and may cause severe irritation, or possibly burns to the skin and respiratory tract, on prolonged exposure.

CLASSIFICATION: MILD SKIN IRRITATION – HAZARD CATEGORY 3

SIGNAL WORD: WARNING

HAZARD STATEMENT: H316 - WARNING - causes mild skin irritation.

PRECAUTIONARY STATEMENT: P332+P317—If skin irritation occurs, get emergency medical help.

CLASSIFICATION: HAZARD CATEGORY 4

SIGNAL WORD: WARNING

HAZARD STATEMENT: H302; Harmful if Swallowed

PRECAUTIONARY STATEMENT: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell, P330; Rinse Mouth P264; Wash hands thoroughly after handling, P270; Do not eat, drink or smoke when using this product.

**SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS**

COMPONENT	CAS #	OSHA HAZARD	WT %	ACGIH		OSHA	
				TLV _(TWA)	STEL	PEL _(TWA)	STEL
Urea	57-13-6	Eye Irritant; Slight to Moderate Skin & Respiratory Irritant; Slightly Toxic by Chronic Dermal Contact & Inhalation, with Cardiovascular & Central Nervous System effects.	7 ± 1	None	None	None	None
Zinc Sulfate	7733-02-0	Eye, Skin & Respiratory Irritant; Cardiovascular, ; Blood & Central Nervous System toxin	6 ± 1	None	None	None	None
Monopotassium Phosphate	7778-77-0	Eye, Skin & Respiratory Irritant	6 ± 1	None	None	None	None
Monoammonium Phosphate	7722-76-1	Eye, Skin & Respiratory Irritant	4 ± 1	None	None	None	None
Ammonium Sulfate	7783-20-2	Eye, Skin & Respiratory Irritant	3 ± 1	None	None	None	None
Manganese Sulfate	7785-87-7	Eye, Skin & Respiratory Irritant; Central Nervous System toxin; Moderately toxic by Ingestion	2 ± 1	0.2 mg/m ³ Proposed: 0.02 mg/m ³ Respirable	None	Ceiling 5 mg/m ³	None
Phosphoric Acid	7664-38-2	Corrosive; Lung Toxin	1 ± 0.2	1 mg/m ³	3 mg/m ³	1 mg/m ³	None
				NDA = No Data Available		N/A = Not Applicable	

SECTION 4: FIRST AID MEASURES

INHALATION:	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.
EYE CONTACT:	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.
SKIN CONTACT:	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.
INGESTION:	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.
NOTE TO PHYSICIANS:	This product has a relatively low oral toxicity, but it may 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 irritation or burns may occur. Careful gastric lavage with an endotracheal tube in place should be considered. Treat exposure symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Flashpoint and Method:	This product does not flash.		
Flammable Limits (in air, % by volume)	Lower:	Not applicable	Upper: Not applicable
Autoignition Temperature:	Not Determined		
GENERAL HAZARD:	This product is an aqueous solution of inorganic salts, organic plant nutrient and natural plant oils that are in a low concentration Phosphoric Acid solution. The Uniform Fire Code health hazard classification for this product is: Corrosive (Acidic) . This product may produce hazardous mists or hazardous decomposition products.		
FIRE FIGHTING INSTRUCTIONS:	EXTINGUISHING MEDIA: Water, foam, CO ₂ or dry chemicals. Use a water spray or fog to cool the containers exposed to the heat of a fire.		
FIRE FIGHTING EQUIPMENT:	Fire fighters should wear full protective equipment, including self-contained breathing apparatus.		
HAZARDOUS COMBUSTION PRODUCTS:	When heated to dryness and decomposition, it emits toxic Ammonia gas and chloride compounds with toxic potassium, nitrogen, sulfur, zinc, manganese, copper and carbon oxides, plus trace or ultra-trace toxic oxide amounts, of iron, magnesium, tin, calcium and sodium, along with dense, irritating smoke.		

SECTION 6: ACCIDENTAL RELEASE MEASURES

RELEASE TO LAND:	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 commercially absorbent material. 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.
RELEASE TO WATER:	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

STORAGE TEMPERATURE:	Ambient	STORAGE PRESSURE:	Ambient
GENERAL:	Store in a cool, dry, well-ventilated, area away from incompatible materials and products. Protect eyes, skin and clothing from contact with this product. Wear recommended personal protective equipment when handling this product. Avoid breathing vapors, aerosols or mists. Use with adequate ventilation. Do not take internally. Keep the container tightly closed when not in use. Wash thoroughly with soap and water, 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 ACGIH-TLV, OSHA-PEL, AIHA-WEEL or levels that may cause irritation.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

RESPIRATOR: For exposure above the ACGIH-TLV, OSHA-PEL 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 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.

CLOTHING & EQUIPMENT: If contact is likely, wear a Neoprene, Nitrile, Butyl Rubber, or Natural Rubber apron when handling this product. 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: In cleaning up a spill, or if contact is likely, 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

Appearance:	Slightly hazy, bluish green	Bulk Density (pounds/ft³):	Not applicable
Physical State:	Liquid	Vapor Pressure:	No data available
Odor:	Unique, characteristic	Vapor Density (air=1):	No data available
Odor Threshold:	No data available	Evaporation Rate (n-Butyl Acetate=1):	No data available
Molecular Formula:	Mixture	VOC Content / Organic Matter:	No data available / 3.0%
Molecular Weight:	Not applicable	% Volatile:	No data available
Boiling Point:	Greater than 100° C. (212° F.)	Solubility in H₂O:	Soluble
Freezing/Melting Point:	Less than 0° C. (32° F.)	Octanol/Water Partition Coefficient:	No data available
Specific Gravity:	1.20 @ 20° C.	pH (as is):	1.0 to 2.0
Density (pounds/gallon):	Approximately 10.01	pH (1% solution):	No data available

SECTION 10: STABILITY AND REACTIVITY

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

CONDITIONS TO AVOID: Freezing and storage in direct sunlight.

INCOMPATIBLE MATERIAL: Strong oxidizers, caustics & strong alkali, cyanides, sulfides, sulfites, chlorine releasers, Aluminum, Magnesium, Zinc and alloys of these metals.

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to dryness and decomposition, it emits toxic Ammonia gas and chloride compounds with toxic potassium, nitrogen, sulfur, zinc, manganese, copper and carbon oxides, plus trace or ultra-trace toxic oxide amounts, of iron, magnesium, tin, calcium and sodium, along with dense, 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>Urea</u>	<u>Zinc Sulfate</u>
Eye Contact:	No data available	Rabbit: 420 ug; Moderate
Skin Contact:	No data available	No data available
Oral Rat LD₅₀:	8,471 mg/kg	1,710 mg/kg
Dermal Rabbit LD₅₀:	No data available (Rabbit, Subcutaneous LD ₅₀ : 3 gm/kg)	No data available (Subcutaneous LD ₅₀ : 300 mg/kg)
Inhalation Rat LC₅₀:	No data available (Rat, Inhalation, Chronic – Multiple Dose, 288 mg/m ³ /17 weeks; Toxic effects: Kidney, Ureter & Bladder – Other changes in urine composition; Blood – Other changes; Nutritional and gross metabolic changes.)	No data available
Human Data:	Human: 22 mg/3 days; Mild	Oral Human TD _{Lo} : 45 mg/kg/7 Days; Cardiac & Blood Effects
Other Toxicological Data:	Rat, Dermal, Chronic – Multiple Dose, 3,024 mg/kg/4 weeks; Toxic effects: Liver – Changes in Liver weight; Endocrine – Changes in Thymus weight; Death.	Subcutaneous Rat LD _{Lo} : 330 mg/kg
Carcinogenicity:	Oral Rat TD _{Lo} : 821 gm/kg/1 year; Tumorigenic – Neoplastic by RTECS criteria; Blood – Tumors; Blood – Lymphomax including Hodgkin's disease.	Subcutaneous Rabbit LD _{Lo} : 3,625 ug/kg/5 Days – Tumorigenic – Tumors at site of application
Teratogenicity:	Intraplacental Woman TD _{Lo} : 1,400 mg/kg (female 16 Weeks pregnant); Effects on Fertility - Abortion	Oral Rat TD _{Lo} : 333 mg/kg (female 1-18 Days pregnant) Effects on fertility – Post implantation mortality
Mutagenicity:	Human DNA Inhibition; lymphocyte: 600 mmol/Liter	Human DNA Inhibition, HeLa cell: 1 umol/Liter/4 hours
Synergistic Products:	None reported	None reported
Target Organs:	Eyes, Skin, Mucous membranes, Lungs, Cardiovascular & Central Nervous Systems	Eyes, Skin, Lungs, Blood, Cardiovascular & Central Nervous Systems
Medical Conditions Aggravated By Exposure:	Skin, Respiratory or Cardiac disorders	Skin, Respiratory or Heart disorders
Components:	<u>Monopotassium Phosphate</u>	<u>Monoammonium Phosphate</u>
Eye Contact:	No data available	No data available
Skin Contact:	No data available	No data available
Oral Rat LD₅₀:	No data available (Oral Rat LD ₅₀ : 4,640 mg/kg)	5,750 mg/kg
Dermal Rabbit LD₅₀:	Greater than 4,640 mg/kg	Greater than 7,940 mg/kg
Inhalation Rat LC₅₀:	No data available	No data available
Human Data:	No data available	No data available
Other Toxicological Data:	No data available	No data available
Carcinogenicity:	No data available	No data available
Teratogenicity:	No data available	No data available
Mutagenicity:	No data available	No data available
Synergistic Products:	None reported	None reported
Target Organs:	Eyes, Skin & Lungs	Eyes, Skin, Lungs & Central Nervous System
Medical Conditions Aggravated By Exposure:	Skin or Respiratory disorders	Skin or Respiratory disorders

SECTION 11: TOXICOLOGICAL INFORMATION (Continued from Page 4)

Components:	<u>Ammonium Sulfate</u>	<u>Manganese Sulfate</u>
Eye Contact:	No data available	No data available
Skin Contact:	No data available	No data available
Oral Rat LD₅₀:	2,840 mg/kg	2,150 mg/kg
Dermal Rabbit LD₅₀:	No data available	No data available
Inhalation Rat LC₅₀:	No data available	No data available
Human Data:	Oral Man TD _{Lo} : 1,500 mg/kg (Gastrointestinal effects)	No data available
Other Toxicological Data:	Intraperitoneal Mouse LD ₅₀ : 610 mg/kg	Oral Mouse LD ₅₀ : 2,330 mg/kg
Carcinogenicity:	No data available	Intraperitoneal Mouse TD _{Lo} : 660 mg/kg/8 Weeks; Tumorigenic – Neoplastic by RTECS criteria
Teratogenicity:	No data available	Intraperitoneal Mouse TD _{Lo} : 34,356 ug/kg; (female 10 Days pregnant) Post-implantation mortality
Mutagenicity:	No data available	Bacteria B Subtilis DNA Repair: 50 mmol/ Liter
Synergistic Products:	None reported	None reported
Target Organs:	Eyes, Skin, Mucous membranes, Lungs & Central Nervous System	Eyes, Skin, Lungs & Central Nervous Systems
Medical Conditions Aggravated By Exposure:	Skin or Respiratory disorders	Skin or Respiratory disorders

Components:	<u>Phosphoric Acid</u>
Eye Contact:	Rabbit: 119 mg; Severe
Skin Contact:	Rabbit: 595 mg/24 hours; Severe
Oral Rat LD₅₀:	1,530 mg/kg
Dermal Rabbit LD₅₀:	2,740 mg/kg
Inhalation Rat LC₅₀:	Greater than 850 mg/m ³ /1 hour
Human Data:	Unreported Route Man LD _{Lo} : 220 mg/kg
Other Toxicological Data:	Oral Man TD _{Lo} : 1,286 uL/kg
Carcinogenicity:	No data available
Teratogenicity:	No data available
Mutagenicity:	No data available
Synergistic Products:	None reported
Target Organs:	Eyes, Skin, Mucous membranes, Lungs & Gastrointestinal tract
Medical Conditions Aggravated By Exposure:	Skin, Respiratory or Gastrointestinal disorders

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:

This product is heavier than water, soluble in water and will affect the pH of the water. Inorganic phosphates, in contact with soil, sub-surface or surface waters, may be taken up by plants and utilized as essential nutrients. Phosphates may also form precipitates, usually with Calcium or Magnesium. The resultant compounds are insoluble, becoming part of the soil.

ENVIRONMENTAL CONSIDERATIONS:

The aquatic toxicity for this product is related to the pH of the water. For Rainbow trout, the reported LC₅₀ is about a pH of 4.0 for a 7 day bioassay. Other species may vary a bit from this pH level, but all are susceptible to acidic pH conditions.

SECTION 13: DISPOSAL CONSIDERATIONS

RCRA 40 CFR 261 CLASSIFICATION: Non-RCRA Hazardous Waste (United States)

U.S. EPA WASTE NUMBER/DESCRIPTION: 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: Phosphoric acid, solution

Hazard Class: 8 **UN Number:** UN1805 **Packing Group:** III

Primary Label: Corrosive **Subsidiary Label(s):** None

Primary/Subsidiary Placards: Corrosive

DOT Reportable Quantity (RQ): 5,000 pounds (H₃PO₄) **RQ for Product:** 500,000 pounds (47,552 gallons)

Marine Pollutant: No

2012 North American Emergency Response Guidebook No.: 154

TDG PROPER SHIPPING NAME: Phosphoric acid, solution

Hazard Class: 8 **UN Number:** UN1805 **Packing Group:** III

Primary Label: Corrosive **Subsidiary Label(s):** None

Primary/Subsidiary Placards: Corrosive

TDG Reportable Quantity (RQ): * At least 5kg or 5 liters

TDG Schedule XII: Not listed

Regulated Limit (RL): ** 230kg (H₃PO₄) **RL for Product:** 23,000 kg (18,254 liters)

Other Shipping Information: None

* 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

COMPONENTS:	<u>Urea</u>	<u>Zinc Sulfate</u>	<u>Monopotassium Phosphate</u>	<u>Monoammonium Phosphate</u>
<u>OSHA Target Organs:</u>	Eyes, Skin, Mucous membranes, Lungs, Cardiovascular & Central Nervous Systems	Eyes, Skin, Lungs, Blood, Cardiovascular & Central Nervous Systems	Eyes, Skin & Lungs	Eyes, Skin, Lungs & Central Nervous System
<u>Carcinogenic Potential:</u>				
Regulated by OSHA:	No	No	No	No
Listed on NTP Report:	No	No	No	No
Listed by IARC:	No	No	No	No
IARC Group:	Not applicable	Not applicable	Not applicable	Not applicable
ACGIH Appendix A:	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
U.S. EPA Requirements				
Release Reporting				
CERCLA (40 CFR 302)				
Listed Substance:	Not listed	Yes	Not listed	Not listed
Reportable Quantity:	Not applicable	1, 000 pounds	Not applicable	Not applicable
Category:	Not applicable	C	Not applicable	Not applicable
RCRA Waste No.:	Not applicable	Not listed	Not applicable	Not applicable
Unlisted Substance:	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
SARA TITLE III				
Section 302 & 303 (40 CFR 355):				
Listed Substance:	Not listed	Not listed	Not listed	Not listed
Reportable Quantity:	Not applicable	Not applicable	Not applicable	Not applicable
Planning Threshold:	Not applicable	Not applicable	Not applicable	Not applicable
Section 311 & 312 (40 CFR 370):				
Hazard Categories (product):	Fire: <u>N</u>	Sudden Release of Pressure: <u>N</u>	Reactive: <u>N</u>	Acute Health: <u>Y</u>
Planning threshold:	10,000 pounds	10,000 pounds	10,000 pounds	Chronic Health: <u>N</u> 10,000 pounds

SECTION 15: REGULATORY INFORMATION (Continued from Page 6)

COMPONENTS:	<u>Urea</u>	<u>Zinc Sulfate</u>	<u>Monopotassium Phosphate</u>	<u>Monoammonium Phosphate</u>
Section 313 (40 CFR 372):				
Listed Toxic Chemical:	Not listed	Yes (Zinc Category)	Not listed	Yes (Aqua Ammonia)
Reporting Threshold:	Not applicable	10,000 pounds	Not applicable	10,000 pounds
U.S. TSCA Status				
Listed (40 CFR 710):	Yes	Yes	Yes	Yes
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				
State Right To Know Laws:	MA, NJ, PA			
Canadian Regulations				
Product Information:				
Controlled Product:	Yes			
WHMIS Hazard Symbols:	Corrosive Material			
WHMIS Class & Division:	E			
Ingredient Information:				
IDL Substance:	No	Yes	No	No
DSL or NDSL Lists:	DSL	DSL	DSL	DSL

COMPONENTS:	<u>Ammonium Sulfate</u>	<u>Manganese Sulfate</u>	<u>Phosphoric Acid</u>
OSHA Target Organs:	Eyes, Skin, Mucous membranes, Lungs & Central Nervous System	Eyes, Skin, Lungs & Central Nervous Systems	Eyes, Skin, Mucous membranes, Lungs & Gastrointestinal tract
Carcinogenic Potential:			
Regulated by OSHA:	No	No	No
Listed on NTP Report:	No	No	No
Listed by IARC:	No	No	No
IARC Group:	Not applicable	Not applicable	Not applicable
ACGIH Appendix A:	Not listed	Not listed	Not listed
A1 Confirmed Human:	Not applicable	Not applicable	Not applicable
A2 Suspected Human:	Not applicable	Not applicable	Not applicable
U.S. EPA Requirements			
Release Reporting			
CERCLA (40 CFR 302)			
Listed Substance:	Not listed	Yes (Manganese Compounds)	Yes
Reportable Quantity:	Not applicable	1 pound	5,000 pounds
Category:	Not applicable	Not listed	D
RCRA Waste No.:	Not applicable	Not listed	Not listed
Unlisted Substance:	Not applicable	Not applicable	Not applicable
Reportable Quantity:	Not applicable	Not applicable	Not applicable
Characteristic:	Not applicable	Not applicable	Not applicable
RCRA Waste No.:	Not applicable	Not applicable	Not applicable
SARA TITLE III			
Section 302 & 303 (40 CFR 355):			
Listed Substance:	Not listed	Not listed	Not listed
Reportable Quantity:	Not applicable	Not applicable	Not applicable
Planning Threshold:	Not applicable	Not applicable	Not applicable
Section 311 & 312 (40 CFR 370):			
Planning threshold:	10,000 pounds	10,000 pounds	10,000 pounds

SECTION 15: REGULATORY INFORMATION (Continued from Page 7)

COMPONENTS:	<u>Ammonium Sulfate</u>	<u>Manganese Sulfate</u>	<u>Phosphoric Acid</u>
Section 313 (40 CFR 372):			
Listed Toxic Chemical:	Yes (Aqua Ammonia)	Yes (Manganese Category)	No (Delisted in 2000)
Reporting Threshold:	10,000 pounds	10,000 pounds	10,000 pounds

U.S. TSCA Status

Listed (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	No	No
Reproductive Toxin:	No	No	No

Other Regulations

State Right To Know Laws:	MA, NJ, PA
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Canadian Regulations

Product Information:

Controlled Product:	Yes
WHMIS Hazard Symbols:	Corrosive Material
WHMIS Class & Division:	E

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 part of a plant nutrition program.

Special Notes:

This product is not manufactured, or formulated to contain substances, which the State of California has found to cause cancer and/or birth defects or other reproductive harm. However, as it contains 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 Crop-Gard® 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, corrosive Chlorine gas. Do not add this product to strong alkali or caustics as this will release a large amount of heat and toxic Ammonia gas.

SDS Revision Information: Revised Date: 6/20/2023

SDS Distributed by: Huma, Inc.

Prepared By:	Anna Carpenter	Date Prepared:	October 20, 2014
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