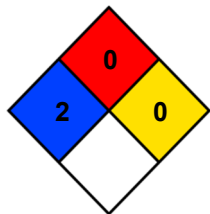


SAFETY DATA SHEET

Curiosity™



| HMIS | |
|-----------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PPE | B |

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

| | | |
|---------------------------------|---|---|
| PRODUCT IDENTIFIER: | Curiosity™ | Product# 412 |
| GENERAL USE: | Used as a part of a plant nutrition program. | |
| PRODUCT DESCRIPTION: | A slightly hazy red to brown liquid having a 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: | <p>A slightly hazy red to brown liquid having a characteristic odor. The liquid and mists may be irritating to the eyes and skin. Inhalation of mists may be irritating to the entire respiratory tract. Ingestion of this product may cause gastrointestinal irritation, cardiovascular and central nervous system effects.</p> <p>CLASSIFICATION: MILD SKIN IRRITATION – HAZARD CATEGORY 3</p> <p>SIGNAL WORD: WARNING</p> <p>HAZARD STATEMENT: H316 - WARNING - causes mild skin irritation.</p> <p>PRECAUTIONARY STATEMENT: P332+P317—If skin irritation occurs, get emergency medical help.</p> <p>CLASSIFICATION: HAZARD CATEGORY 5 - MAY BE HARMFUL IF SWALLOWED</p> <p>SIGNAL WORD: WARNING</p> <p>HAZARD STATEMENT: H303 - WARNING – may be harmful if swallowed.</p> <p>PRECAUTIONARY STATEMENT: P301+P317—If swallowed, get emergency medical help.</p> |
|--------------------------|--|

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. | 15 ± 2 | None AIHA WEEL: 10 mg/m ³ | None | None | None | None |
| Ammonium Nitrate | 6484-52-2 | Oxidizer; Eye, Skin & Respiratory Irritant; Blood toxin | 13.75 ± 2 | None | None | None | None | |
| Monopotassium Phosphate | 7778-77-0 | Eye, Skin & Respiratory Irritant | 3 ± 0.5 | None | None | None | None | |
| Diammonium Phosphate | 7783-28-0 | Eye Irritant; Slight to Moderate Skin & Respiratory Irritant; Slightly Toxic by Ingestion: Central Nervous System toxin | 2.5 ± 0.5 | None | None | None | None | |
| Dipotassium Phosphate | 7758-11-4 | Eye, Skin & Respiratory Irritant | 2.5 ± 0.5 | None | None | None | None | |
| Ammonium Sulfate | 7783-20-2 | Eye, Skin & Respiratory Irritant | 1.875 ± 0.5 | None | None | None | None | |
| Potassium Nitrate | 7757-79-1 | Oxidizer; Eye, Skin & Respiratory Irritant; Toxic by Ingestion | 1.75 ± 0.5 | None | None | None | None | |
| Magnesium Sulfate | 7487-88-9 | Eye Irritant; Slight to Moderate Skin & Respiratory Irritant; Slightly toxic by Ingestion with Central Nervous System Effects | 0.75 ± 0.5 | None | None | None | 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, preferably mouth-to-mouth. 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 if irritation persists. |
| SKIN CONTACT: | In case of contact, flush skin with plenty of clean running water. Remove contaminated clothing and shoes and wash before reuse. If irritation occurs and persists, get medical attention. |
| INGESTION: | If large quantities of this product are swallowed, call a physician immediately. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. |
| NOTE TO PHYSICIANS: | Based on component information, this product can be slightly to moderately toxic by ingestion. If a large amount is ingested, consideration should be given to careful endoscopy as stomach or esophageal irritation may occur, with possible central nervous system effects following absorption into the blood stream. 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 applicable | | |
| GENERAL HAZARD: | This product is an aqueous, slightly acidic solution of organic and inorganic compounds. The Uniform Fire Code health hazard classification for this product is: Irritant . It may produce 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, carbon monoxide, carbon dioxide, phosphorus oxides, nitrogen oxides, magnesium, sulfur oxides and potassium oxide with trace or ultra-trace toxic oxide amounts, of, iron, manganese, molybdenum, calcium, zinc, boron, copper and sodium. | | |

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 sodium bicarbonate, limestone, or other agent appropriate for neutralizing acidic liquids, that will not release Ammonia gas. Flush the spill area with water; collect the rinsates for disposal or sewer, as appropriate. Note: This product contains Ammonium Nitrate and Potassium Nitrate, both are oxidizing fertilizers. Do not allow this concentrated product to dry in contact with combustible organic materials or reducing agents as a reaction may occur, releasing heat and possibly toxic gasses. |
| 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 or mists. 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: Respiratory protection is not normally required. If use produces mists that may cause irritation, a NIOSH approved half mask or full facepiece respirator equipped with a good mist / particulate cartridge or supplied air is recommended. **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: 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 red to brown | Bulk Density (pounds/ft³): | Not applicable |
| Physical State: | Liquid | Vapor Pressure: | No data available |
| Odor: | 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: | Nil / 12.0% |
| 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: | 1.25 @ 20° C. | pH (as is): | 3.5 - 4.5 |
| Density (pounds/gallon): | Approximately 10.43 | 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: Do not store this product below 50° F (10° C) or above 90° F (30° C)

INCOMPATIBLE MATERIAL: 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 with toxic oxides of carbon, phosphorus, nitrogen, magnesium, sulfur and potassium with trace or ultra-trace toxic oxide amounts, of, iron, manganese, calcium, zinc, boron, copper 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>Monopotassium Phosphate</u> | <u>Ammonium Nitrate</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) | 2,217 mg/kg |
| Dermal Rabbit LD₅₀: | Greater than 4,640 mg/kg | No data available |
| 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, Mucous membranes, Lungs & Blood |
| Medical Conditions Aggravated By Exposure: | Skin or Respiratory disorders | Skin or Respiratory disorders |
| | | |
| Components: | <u>Urea</u> | <u>Potassium Nitrate</u> |
| Eye Contact: | No data available | No data available |
| Skin Contact: | No data available | No data available |
| Oral Rat LD₅₀: | 8,471 mg/kg | 3,750 mg/kg |
| Dermal Rabbit LD₅₀: | No data available (Rabbit, Subcutaneous LD ₅₀ : 3 gm/kg) | No data available |
| 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 | No data available |
| 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. | Oral Rabbit LD ₅₀ : 1,901 mg/kg |
| Carcinogenicity: | Oral Rat TD ₅₀ : 821 gm/kg/1 year; Tumorigenic – Neoplastic by RTECS criteria; Blood – Tumors; Blood – Lymphomax including Hodgkin's disease. | No data available |
| Teratogenicity: | Intraplacental Woman TD ₅₀ : 1,400 mg/kg (female 16 Weeks pregnant); Effects on Fertility - Abortion | Oral Rat TD ₅₀ : 22 gm/kg (female 1-22 Days pregnant); Effects on Fertility – Other measures of fertility |
| Mutagenicity: | Human DNA Inhibition; lymphocyte: 600 mmol/Liter | Bacteria – E Coli Gene Conversion: 5 pph |
| Synergistic Products: | None reported | None reported |
| Target Organs: | Eyes, Skin, Mucous membranes, Lungs, Cardiovascular & Central Nervous Systems | Eyes, Skin, Mucous membranes, Lungs, Gastrointestinal tract, Kidneys & Blood |
| Medical Conditions Aggravated By Exposure: | Skin, Respiratory or Cardiac disorders | Skin, Respiratory, Gastrointestinal, Kidney or Blood disorders |

SECTION 11: TOXICOLOGICAL INFORMATION (Continued from Page 4)

| Components: | <u>Magnesium Sulfate</u> | <u>Ammonium Sulfate</u> |
|---|---|--|
| Eye Contact: | No data available | No data available |
| Skin Contact: | No data available | No data available |
| Oral Rat LD₅₀: | No data available (Oral Mouse LD ₅₀ : 5 gm/kg) | 2,840 mg/kg |
| Dermal Rabbit LD₅₀: | No data available (Subcutaneous Rabbit LD ₅₀ : 1,750 mg/kg (Toxic Effects: Behavioral – Somnolence (general depressed activity); (Behavioral – Convulsions or effect on seizure threshold).) | No data available |
| Inhalation Rat LC₅₀: | No data available | No data available |
| Human Data: | Oral Man TD _{Lo} : 428 mg/kg (Toxic Effects: Behavioral – Muscle weakness) | Oral Man TD _{Lo} : 1,500 mg/kg (Gastrointestinal effects) |
| Other Toxicological Data: | Subcutaneous Rat LD ₅₀ : 1,200 mg/kg | Intraperitoneal Mouse LD ₅₀ : 610 mg/kg |
| Carcinogenicity: | No data available | No data available |
| Teratogenicity: | Intravenous Woman TD _{Lo} : 320 mg/kg (39 Weeks pregnant) Effects on Embryo or Fetus – Other effects | No data available |
| Mutagenicity: | Bacteria – E Coli Phage Inhibition: 800 umol/Liter | No data available |
| Synergistic Products: | None reported | None reported |
| Target Organs: | Eyes, Lungs, Gastrointestinal & Central Nervous Systems | Eyes, Skin, Mucous membranes, Lungs & Central Nervous System |
| Medical Conditions Aggravated By Exposure: | Respiratory or Gastrointestinal disorders | Skin or Respiratory disorders |
| | | |
| Components: | <u>Diammonium Phosphate</u> | <u>Dipotassium Phosphate</u> |
| Eye Contact: | No data available | Rabbit: Mild |
| Skin Contact: | No data available | Rabbit: 300 mg; Mild |
| Oral Rat LD₅₀: | Greater than 1,000 mg/kg | Greater than 500 mg/kg |
| Dermal Rabbit LD₅₀: | No data available | Greater than 300 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 & Central Nervous System | Eyes, Skin & Mucous membranes |

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:

This product is 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

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: Not DOT Regulated (United States)
Hazard Class: Not applicable **UN Number:** N/A **Packing Group:** N/A
Primary Label: None Required **Subsidiary Label(s):** None Required
Primary/Subsidiary Placards: None Required

DOT Reportable Quantity (RQ): Not listed **RQ for Product:** Not applicable
Marine Pollutant: No

2012 North American Emergency Response Guidebook No.: Not applicable

TDG PROPER SHIPPING NAME: NOT RESTRICTED
Hazard Class: Not applicable **UN Number:** Not applicable **Packing Group:** N/A
Primary Label: None Required **Subsidiary Label(s):** None Required
Primary/Subsidiary Placards: None Required

TDG Reportable Quantity (RQ): * Not applicable
TDG Schedule XII: Not applicable
Regulated Limit (RL): ** Not listed **RL for Product:** Not applicable

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>Monopotassium Phosphate</u> | <u>Ammonium Nitrate</u> | <u>Urea</u> | <u>Potassium Nitrate</u> |
|---------------------------------------|--------------------------------|---|---|--|
| <u>OSHA Target Organs:</u> | Eyes, Skin & Mucous membranes | Eyes, Skin, Mucous membranes, Lungs & Blood | Eyes, Skin, Mucous membranes, Lungs, Cardiovascular & Central Nervous Systems | Eyes, Skin, Mucous membranes, Lungs, Gastrointestinal tract, Kidneys & Blood |
| <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 listed | 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 | Not listed | Not listed | Not listed |
| Reportable Quantity: | Not applicable | Not applicable | Not applicable | Not applicable |
| Category: | Not applicable | Not applicable | Not applicable | Not applicable |
| RCRA Waste No.: | Not applicable | Not applicable | Not applicable | Not applicable |
| Unlisted Substance: | Not applicable | Not applicable | Not applicable | Yes |
| Reportable Quantity: | Not applicable | Not applicable | Not applicable | 100 pounds |
| Characteristic: | Not applicable | Not applicable | Not applicable | Ignitability |
| RCRA Waste No.: | Not applicable | Not applicable | Not applicable | D001 |

SECTION 15: REGULATORY INFORMATION (Continued from page 6)

| COMPONENTS: | <u>Monopotassium Phosphate</u> | <u>Ammonium Nitrate</u> | <u>Urea</u> | <u>Potassium Nitrate</u> |
|--|---|--|--|-------------------------------|
| 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 | 10,000 pounds |
| Section 313 (40 CFR 372): | | | | |
| Listed Toxic Chemical: | Not listed | Yes (Aqua Ammonia & Nitrate compounds) | Not listed | Yes (Nitrate Compounds) |
| 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, CA | | | |
| Canadian Regulations | | | | |
| Product Information: | | | | |
| Controlled Product: | Yes | | | |
| WHMIS Hazard Symbols: | Material Causing Other Toxic Effects | | | |
| WHMIS Class & Division: | D.2B | | | |
| Ingredient Information: | | | | |
| IDL Substance: | No | No | No | No |
| DSL or NDSL Lists: | DSL | DSL | DSL | DSL |
| COMPONENTS: | <u>Magnesium Sulfate</u> | <u>Ammonium Sulfate</u> | <u>Diammonium Phosphate</u> | <u>Dipotassium Phosphate</u> |
| OSHA Target Organs: | Eyes, Lungs, Gastrointestinal & Central Nervous Systems | Eyes, Skin, Mucous membranes, Lungs & Central Nervous System | Eyes, Skin, Lungs & Central Nervous System | Eyes, Skin & Mucous membranes |
| Carcinogenic Potential: | | | | |
| 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 listed |
| 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 |

SECTION 15: REGULATORY INFORMATION (Continued from page 7)

| COMPONENTS: | <u>Magnesium Sulfate</u> | <u>Ammonium Sulfate</u> | <u>Diammonium Phosphate</u> | <u>Dipotassium Phosphate</u> |
|--|--------------------------|-------------------------|-----------------------------|------------------------------|
| U.S. EPA Requirements | | | | |
| Release Reporting | | | | |
| CERCLA (40 CFR 302) | | | | |
| Listed Substance: | Not listed | Not listed | Not listed | Not listed |
| Reportable Quantity: | Not applicable | Not applicable | Not applicable | Not applicable |
| Category: | Not applicable | Not applicable | Not applicable | Not applicable |
| RCRA Waste No.: | Not applicable | Not applicable | 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): | | | | |
| Planning threshold: | 10,000 pounds | 10,000 pounds | 10,000 pounds | 10,000 pounds |
| Section 313 (40 CFR 372): | | | | |
| Listed Toxic Chemical: | Not listed | Yes (Aqua Ammonia) | Yes (Aqua Ammonia) | Not listed |
| Reporting Threshold: | Not applicable | 10,000 pounds | 10,000 pounds | Not applicable |
| 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, CA | | | |
| Ingredient Information: | | | | |
| IDL Substance: | No | No | No | No |
| DSL or NDSL Lists: | DSL | 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 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 Curiosity™ 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 may liberate a lot of heat and toxic Ammonia gas.

SDS Revision Information: Revised Date: 8/21/2023

SDS Distributed by: Huma, Inc.

| | |
|------------------------------------|--|
| Prepared By: Anna Carpenter | Date Prepared: February 25 th 2016 |
|------------------------------------|--|

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